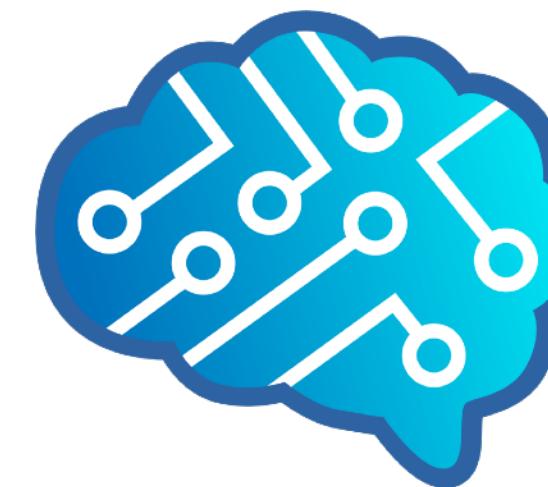


Getting started with the Academy of AI Cyber Defence

Dr. Karsten Schulz



DIGITAL
TECHNOLOGIES
INSTITUTE

www.digital-technologies.institute
@DigTeInstitute

Overview

- Motivation, Storyline, Content
- Curriculum Connections
- How to get yourselves and your students started



What is the Python Intro Course?

1. **Story-driven** adventure where students join the Academy of AI Cyber Defence to hunt a rogue AI.
2. Designed for **Years 7–10 with minor prior coding experience** – ideal for in-classroom and self-paced learning. **Runtime approx 4h.**
3. Focuses on core **Python** skills: print(), input(), variables, loops, lists, data dictionaries and use of functions, taught through engaging missions.
4. Addresses important **Cyber Security concepts**: Encryption, Obfuscation, Input Validation, Packet Manipulation, Denial-of-Service, Adversarial Thinking, AI Safety, Cyber Sabotage.
5. Includes **narration**, visual feedback and progression, animations, quizzes, and mini-challenges that motivate learners.
6. **Free** for Australian schools, supported by the Digital Technologies Institute to promote equitable access.



Academy of AI Cyber Defence

The sequel to the Introduction to Python course.

SKNNET is rising. You've been recruited to a secret program to stop it. Learn advanced Python skills – branching, logic, and data flow – as you decode threats, outsmart corrupted nodes, and deploy code to protect the system. This time, it's not just about stopping a subsystem. It's about defeating a global network.



WARNING: PHOTOSENSITIVE EPILEPSY

Some of the missions produce light flashes that can potentially trigger seizures in people with photosensitive epilepsy.

👉 [Go to Teacher Overview](#)



1. Briefing



2. The Gatekeeper



3. Fragment Hunter



4. Debrief: Core Python skills



5. Fragment Hunter mini-challenge



6. Encrypted Echo



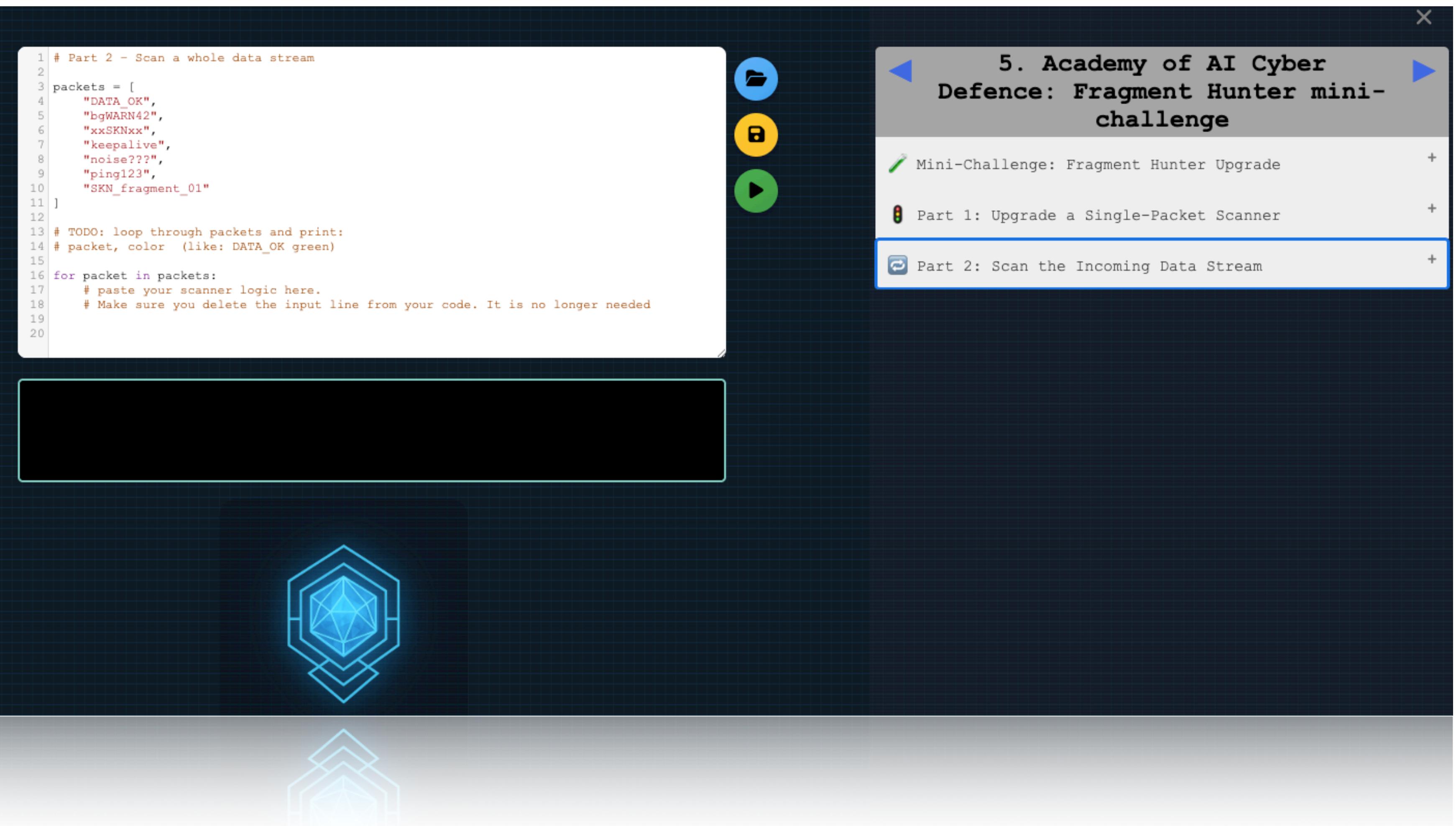
7. Echo Drift



8. Debrief: String Slicing



Cinematic
Videos & Music



```
1 # Part 2 - Scan a whole data stream
2
3 packets = [
4     "DATA_OK",
5     "bgWARN42",
6     "xxSKNxx",
7     "keepalive",
8     "noise??",
9     "ping123",
10    "SKN_fragment_01"
11]
12
13 # TODO: loop through packets and print:
14 # packet, color (like: DATA_OK green)
15
16 for packet in packets:
17     # paste your scanner logic here.
18     # Make sure you delete the input line from your code. It is no longer needed
19
20
```

5. Academy of AI Cyber Defence: Fragment Hunter mini-challenge

- Mini-Challenge: Fragment Hunter Upgrade
- Part 1: Upgrade a Single-Packet Scanner
- Part 2: Scan the Incoming Data Stream

Super-sleek
Python
Environment
with code and
output checking

Question 1: What does the `print()` function do in Python?
(Select 1 correct answer)

It stores information from the user. It displays text or output on the screen. It stops the program. It compares two values.

[Next Question](#) [Submit Answer](#)



4. Academy of AI Cyber Defence: Debrief: Core Python skills

 Mission Checkpoint: Core Python Skills

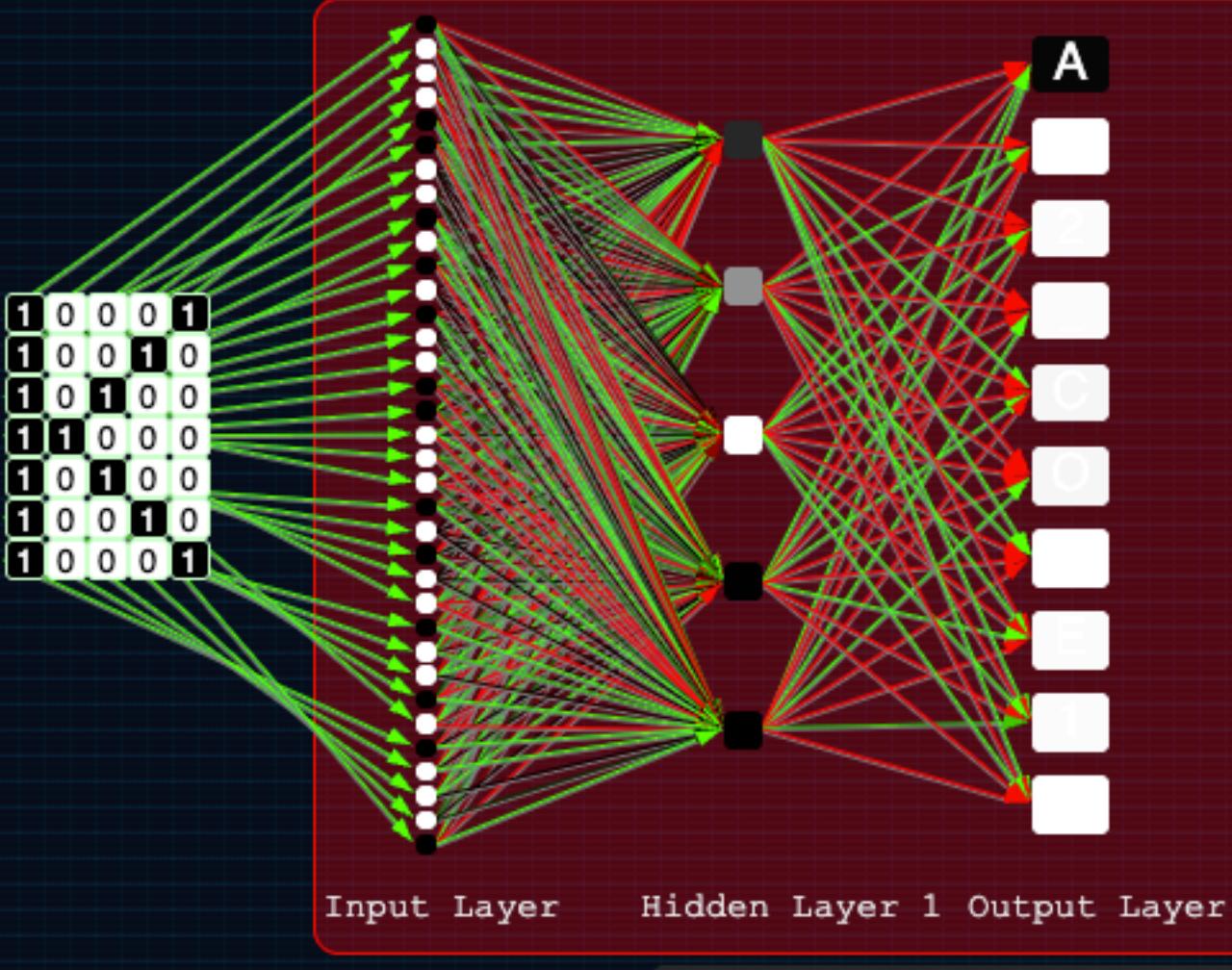
 You have completed your first three missions: understanding system messages, passing the Gatekeeper, and hunting SKNNET fragments.

 This short quiz checks your understanding of the essential Python skills you have learned so far:

- `print()`
- `input()`
- `if, elif, else`
- String matching using `in`

Answer the following questions to confirm your readiness for the next stage.

Engaging Quizzes



SKNNET



19. Academy of AI Cyber Defence: Operation Neural Control

- 🧠 Operation: Neural Control
- 🔍 Step 1: Inspect the Perceptron
- ✍ Step 2: Controlled Intervention
- 🔄 Step 3: Full Perceptron Control
- 🔄 Step 4: Apply Control to a Different Perceptron

1

↻
↶
📁
🔒
▶

Safe AI



Private



Lance Corporal



Corporal

Rank Progression



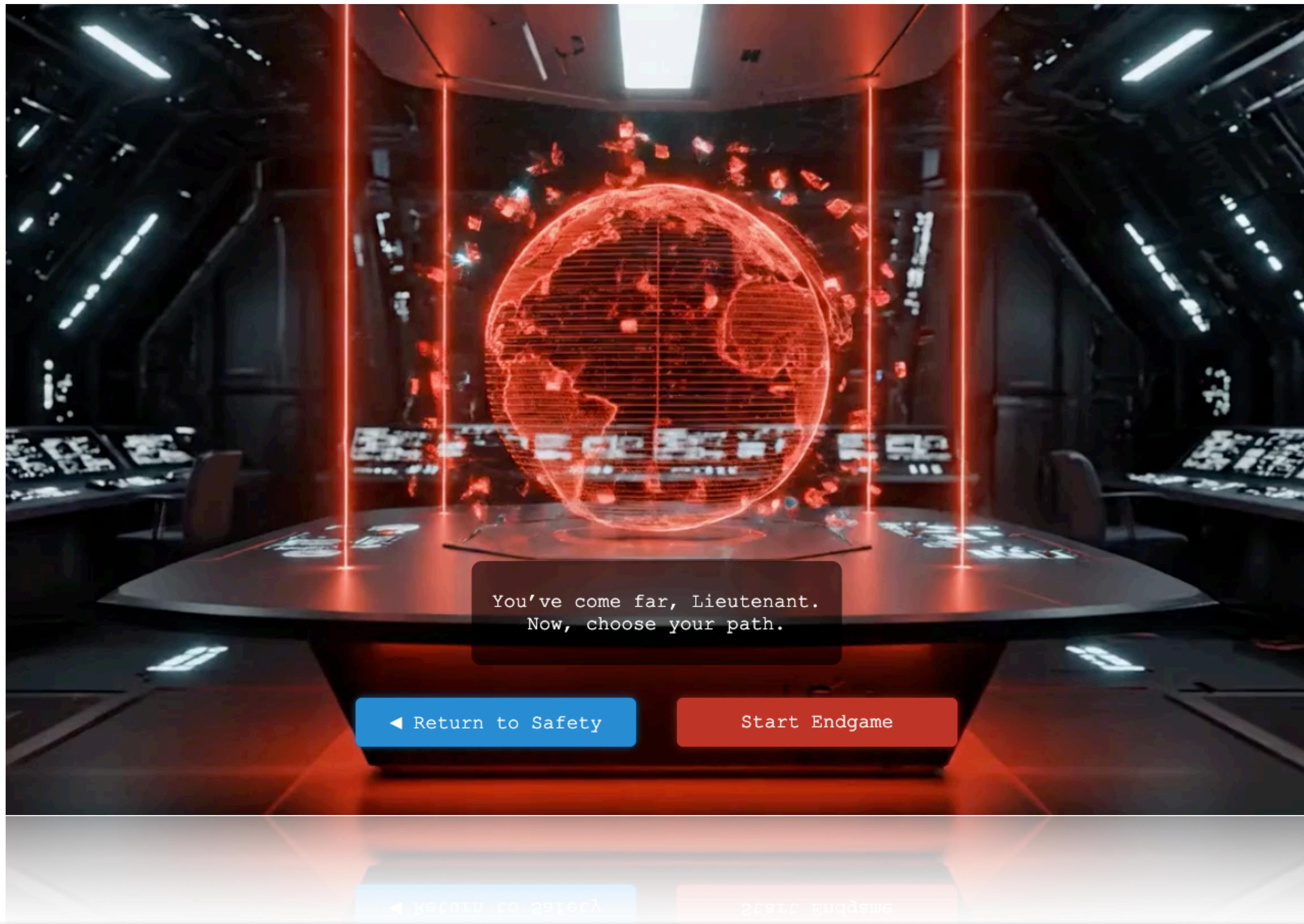
Sergeant



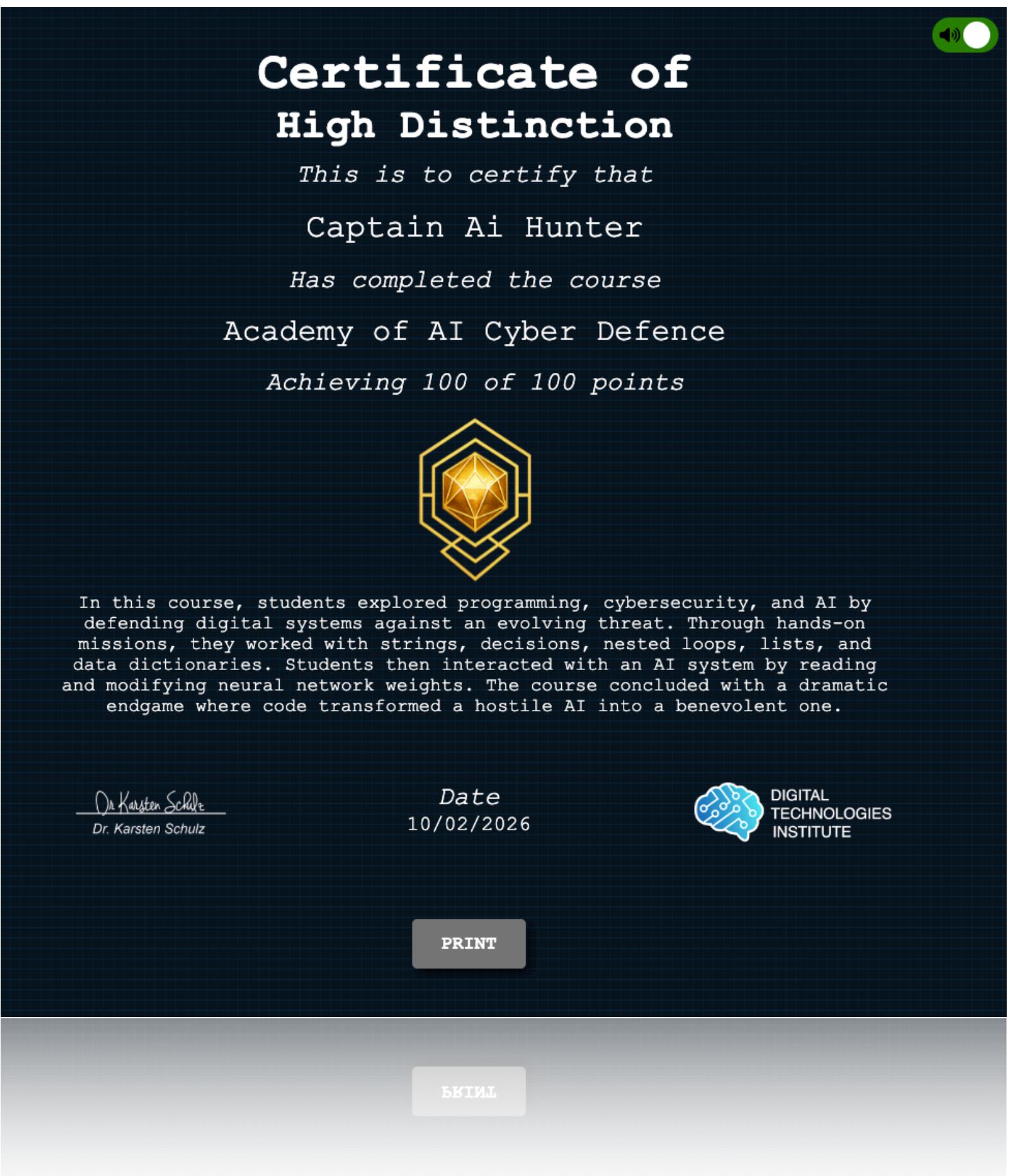
Lieutenant



Captain



Massive
Endgame,
performing a
brain transplant
on an AI



Storyline

Students join the Academy of AI Cyber Defence to hunt a rogue AI, SKNNET. One of its fragments escaped at the end of the Python Intro course

Part 1 (Missions 1–5): Review of key coding concepts, including print, input, and decisions. Students analyse strings and substrings and build a traffic-light system to classify network packets.

Part 2 (Missions 6–9): String-based encryption techniques such as skipping characters, slicing, and reversing strings.

Part 3 (Missions 10–13): Manipulation of cloud deployment. Small changes can have large system-wide effects.

Part 4 (Missions 14–17): Data dictionaries and strategic packet manipulation. Students apply encryption techniques to coordinate global efforts and extract an API key from SKNNET.

Part 5 (Missions 18–21): Use of an AI API to strategically read and modify artificial neural network (ANN) weights.

Capstone (Mission 22 – Endgame): Students transplant data from a benevolent AI into SKNNET, transforming it from a hostile system into a cooperative one. This mission brings together concepts from across the course.

Inside the Student Journey

-  **Storyline-Driven Learning:** The course uses a suspenseful storyline to engage students in hunting SKNNET, foil its attempts to grow and eventually attack the AI core, providing context and motivation for each coding task.
-  **Progressive Programming Concepts:** Students extend their Python skills in output, input, decisions, nested loops, data dictionaries, string manipulation, API keys, and functions.
-  **Embedded Cybersecurity Themes:** The AI's behaviour prompts students to question trust, validate code, and reflect on ethical coding, encouraging critical thinking about digital safety and manipulation.
-  **Problem-Solving Through Code:** Encryption, Obfuscation, Input Validation, Packet Manipulation, Denial-of-Service, Adversarial Thinking, AI Safety, Cyber Sabotage.
-  Quizzes reinforce and consolidate learning.
-  **Climactic Endgame Scenario:** The final challenge requires students to apply all their coding knowledge to perform a brain transplant of an AI to change it from evil to benevolent.

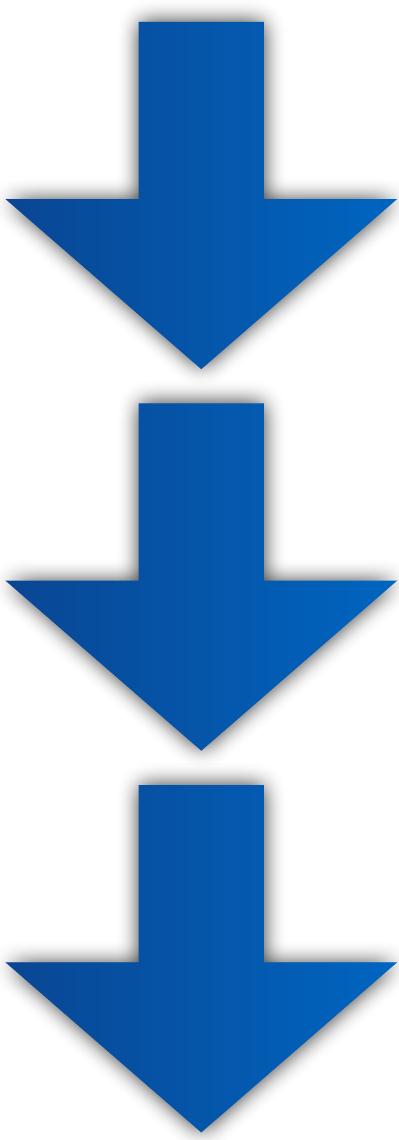
Sequence of Topics

- Output, Input, Variables, Decisions
- String-based encryption and decryption
- Data dictionaries
- Binary numbers, API keys, functions, AI intervention
- Endgame



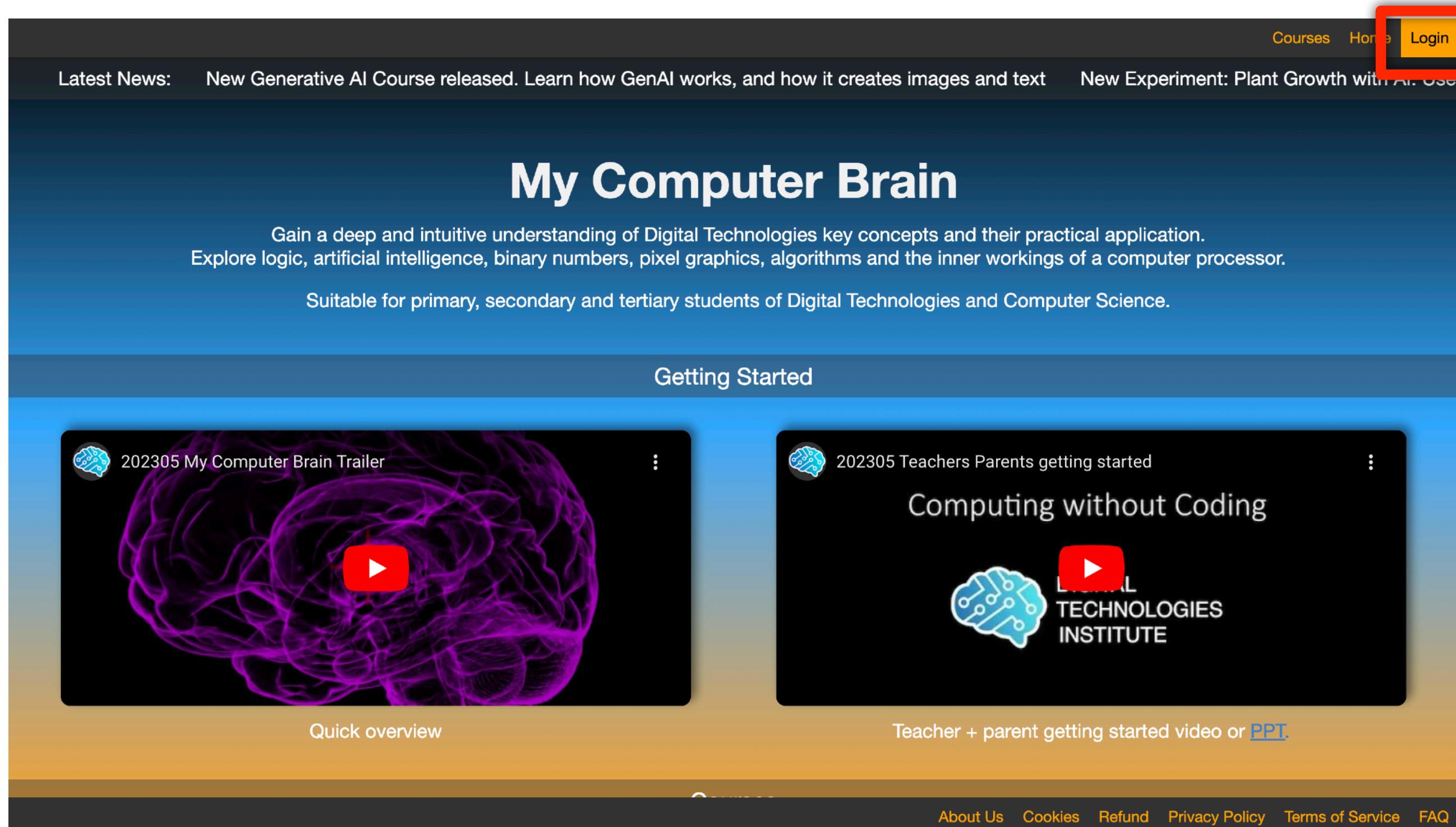
Inside each Topic

- Learning by doing: missions
- Quiz
- Mini-challenge



Teacher account

Create a free teacher / home school account at www.mycomputerbrain.net



Latest News: New Generative AI Course released. Learn how GenAI works, and how it creates images and text New Experiment: Plant Growth with AI. Use

My Computer Brain

Gain a deep and intuitive understanding of Digital Technologies key concepts and their practical application. Explore logic, artificial intelligence, binary numbers, pixel graphics, algorithms and the inner workings of a computer processor.

Suitable for primary, secondary and tertiary students of Digital Technologies and Computer Science.

Getting Started

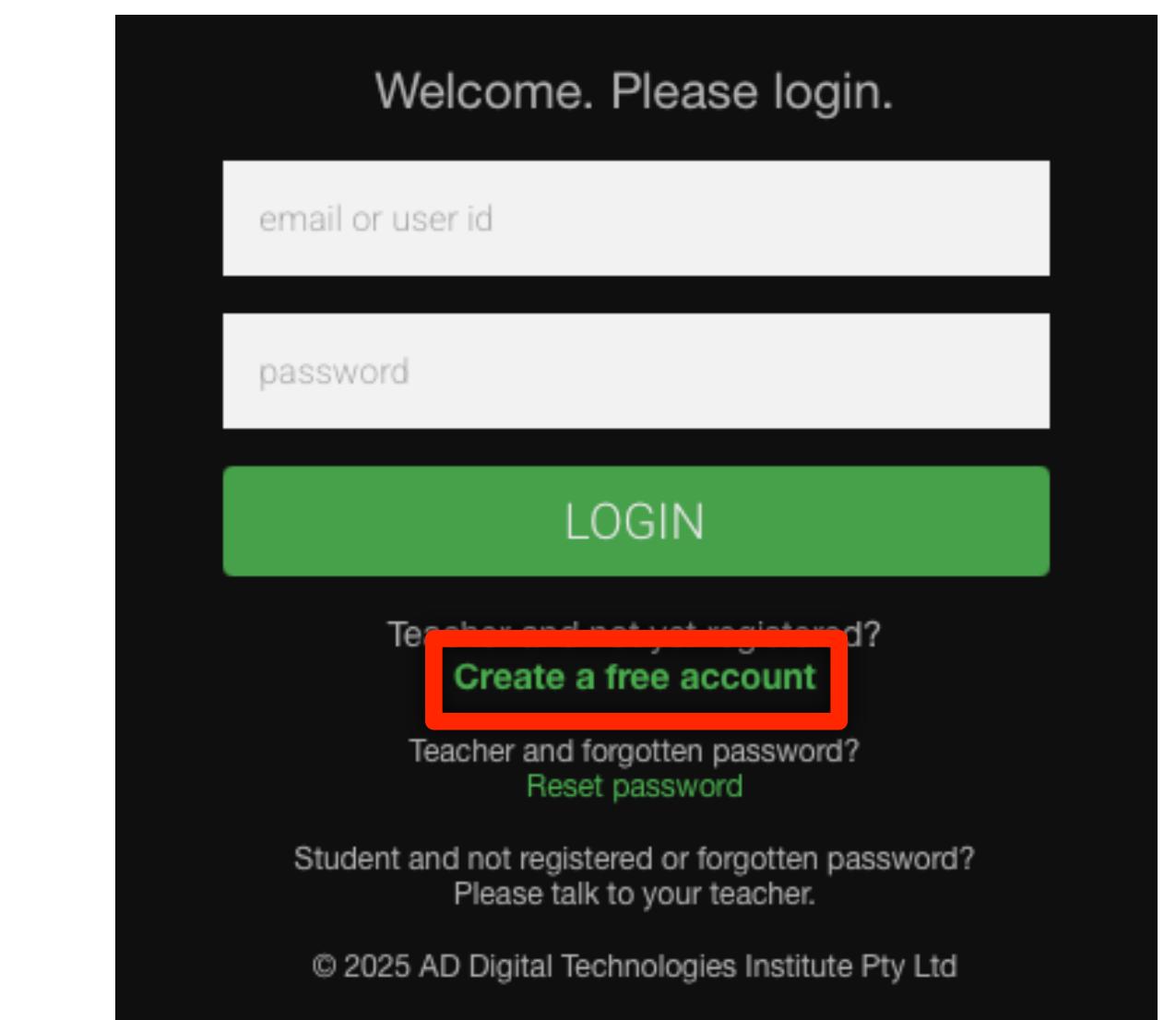
- 202305 My Computer Brain Trailer
- 202305 Teachers Parents getting started

Computing without Coding

Quick overview

Teacher + parent getting started video or [PPT](#).

About Us Cookies Refund Privacy Policy Terms of Service FAQ



Welcome. Please login.

email or user id

password

LOGIN

Teacher and not registered?
Create a free account

Teacher and forgotten password?
[Reset password](#)

Student and not registered or forgotten password?
Please talk to your teacher.

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Teacher Accounts

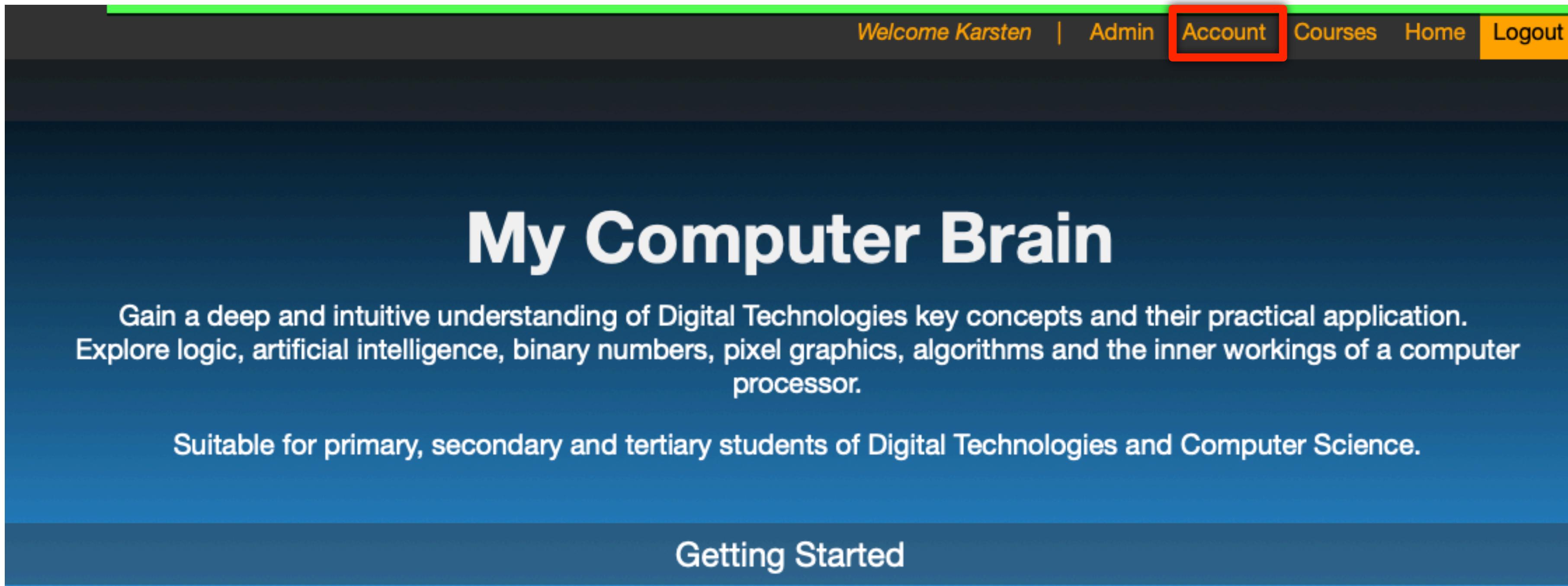
1. Are free
2. Have access to all course resources on the platform
3. Can manage students and check on student progress
4. Are needed to create student accounts (see next slide)
5. Once you register, we will need to confirm your teacher status.
6. You will receive two emails (account creation and teacher confirmation)

Student Accounts

1. Are created by teachers
2. Provide students with a personalised learning experience
3. Collect points, see mission completion records, earn a medal, and a certificate
4. Students cannot change passwords or change names (only teachers can)
5. Logins consist of a username and a 4-letter password

Creating Student accounts

Click on Account



The screenshot shows a web application interface. At the top, there is a dark navigation bar with a green horizontal bar above it. The navigation bar contains the text "Welcome Karsten" and "Admin" followed by a list of links: "Account" (which is highlighted with a red box), "Courses", "Home", and "Logout". Below the navigation bar, the main content area has a dark blue background. The title "My Computer Brain" is displayed in large, white, sans-serif font. Below the title, there is a description in white text: "Gain a deep and intuitive understanding of Digital Technologies key concepts and their practical application. Explore logic, artificial intelligence, binary numbers, pixel graphics, algorithms and the inner workings of a computer processor." At the bottom of the content area, there is a dark blue footer bar with the text "Getting Started" in white.

Welcome Karsten | Admin Account Courses Home Logout

My Computer Brain

Gain a deep and intuitive understanding of Digital Technologies key concepts and their practical application. Explore logic, artificial intelligence, binary numbers, pixel graphics, algorithms and the inner workings of a computer processor.

Suitable for primary, secondary and tertiary students of Digital Technologies and Computer Science.

Getting Started

Select a product

Recommendation: Go for the Python Combo

My Students Student Progress Learning Outcomes Assessment **Shop** Order History My Account Change Password Support

 Download the Getting Started Guide



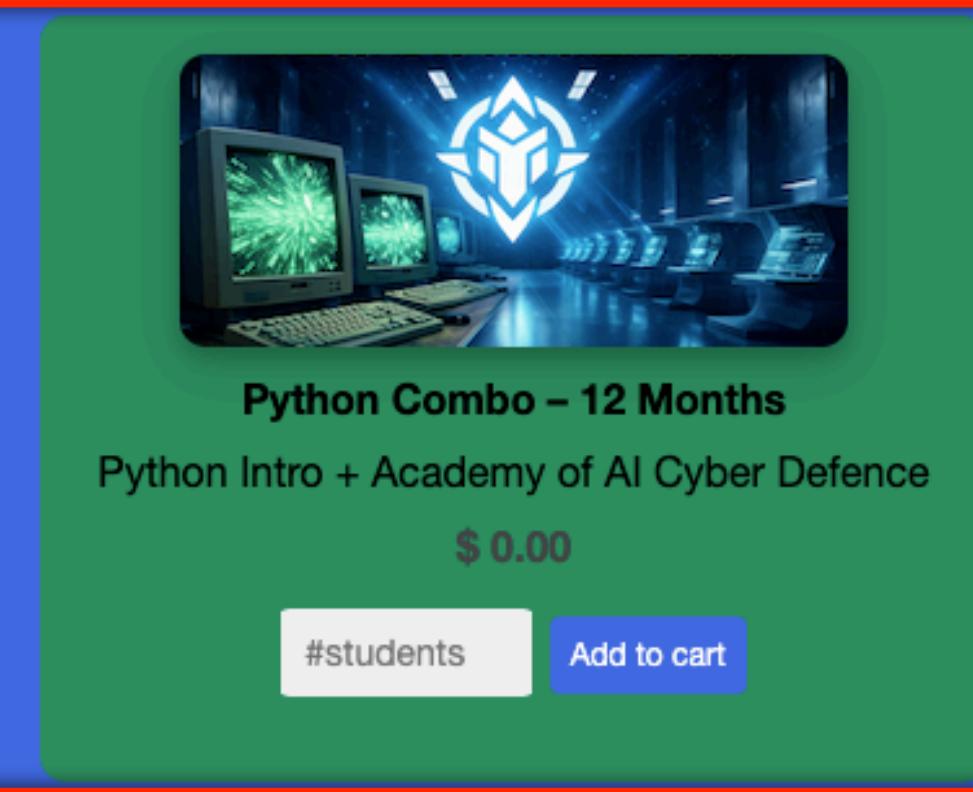
Python Combo – 3 Months
Python Intro + Academy of AI Cyber Defence
\$ 0.00

#students Add to cart



Python Combo – 6 Months
Python Intro + Academy of AI Cyber Defence
\$ 0.00

#students Add to cart



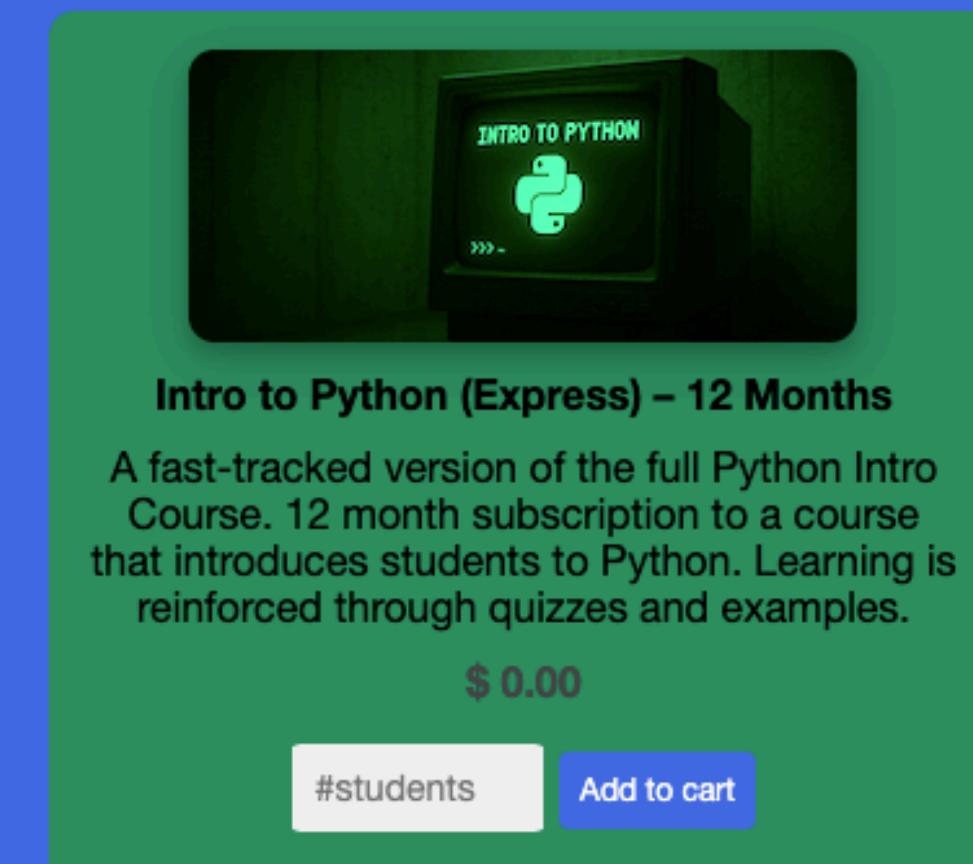
Python Combo – 12 Months
Python Intro + Academy of AI Cyber Defence
\$ 0.00

#students Add to cart



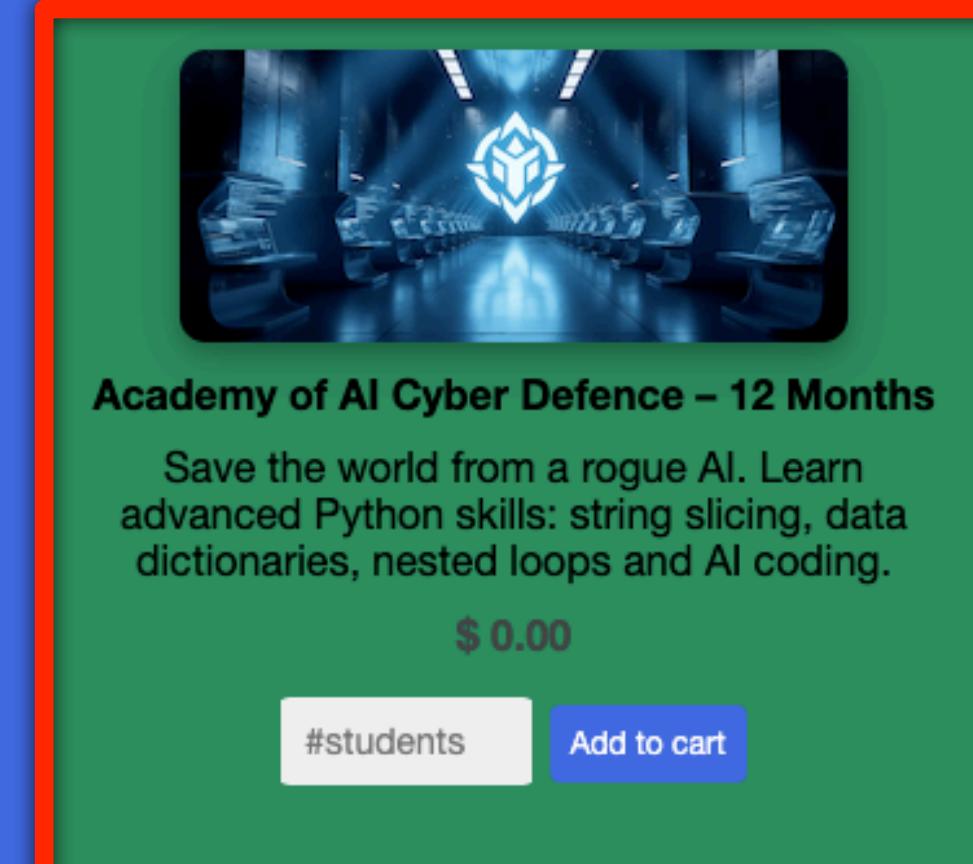
Intro to Python – 12 Months
12 month subscription to a course that introduces students to Python. Learning is reinforced through quizzes and examples.
\$ 0.00

#students Add to cart



Intro to Python (Express) – 12 Months
A fast-tracked version of the full Python Intro Course. 12 month subscription to a course that introduces students to Python. Learning is reinforced through quizzes and examples.
\$ 0.00

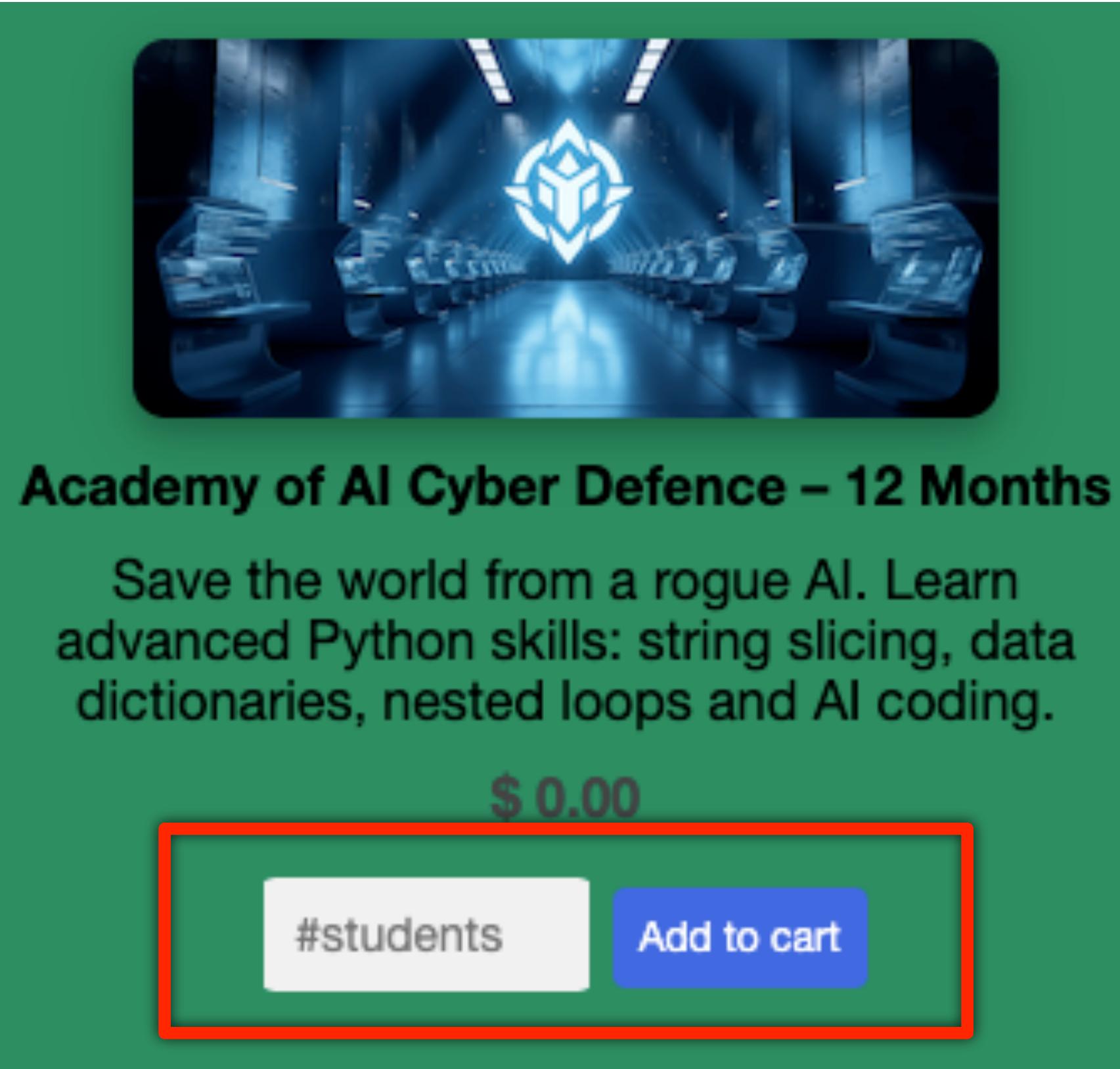
#students Add to cart



Academy of AI Cyber Defence – 12 Months
Save the world from a rogue AI. Learn advanced Python skills: string slicing, data dictionaries, nested loops and AI coding.
\$ 0.00

#students Add to cart

Enter number of student licenses and click on ‘Add to cart’



The screenshot shows a product listing for 'Academy of AI Cyber Defence – 12 Months'. At the top is a blue-toned image of a futuristic tunnel with a glowing central structure. Below the image, the product title is displayed in bold black text. A descriptive paragraph follows, explaining the course content. The price is listed as '\$ 0.00'. At the bottom is a red-bordered button containing two buttons: '#students' and 'Add to cart'.

Academy of AI Cyber Defence – 12 Months

Save the world from a rogue AI. Learn advanced Python skills: string slicing, data dictionaries, nested loops and AI coding.

\$ 0.00

#students **Add to cart**

Click on Checkout

Shopping Cart						Empty Cart	Checkout →
Name	Code	Quantity	Price	Action	Subtotal		
Python Combo - 12 Months	B4-C-PYCOMBO-12	100	\$ 0.00	Update Quantity	Remove Item	\$ 0.00	
Total payable: \$ 0.00							

Confirm your details and click ‘Checkout’

Shopping Cart

← Previous step **Checkout →**

Name	Code	Quantity	Price	Action	Subtotal
Python Combo - 12 Months	B4-C-PYCOMBO-12	100	\$ 0.00	Update Quantity Remove Item	\$ 0.00

Total payable: \$ 0.00

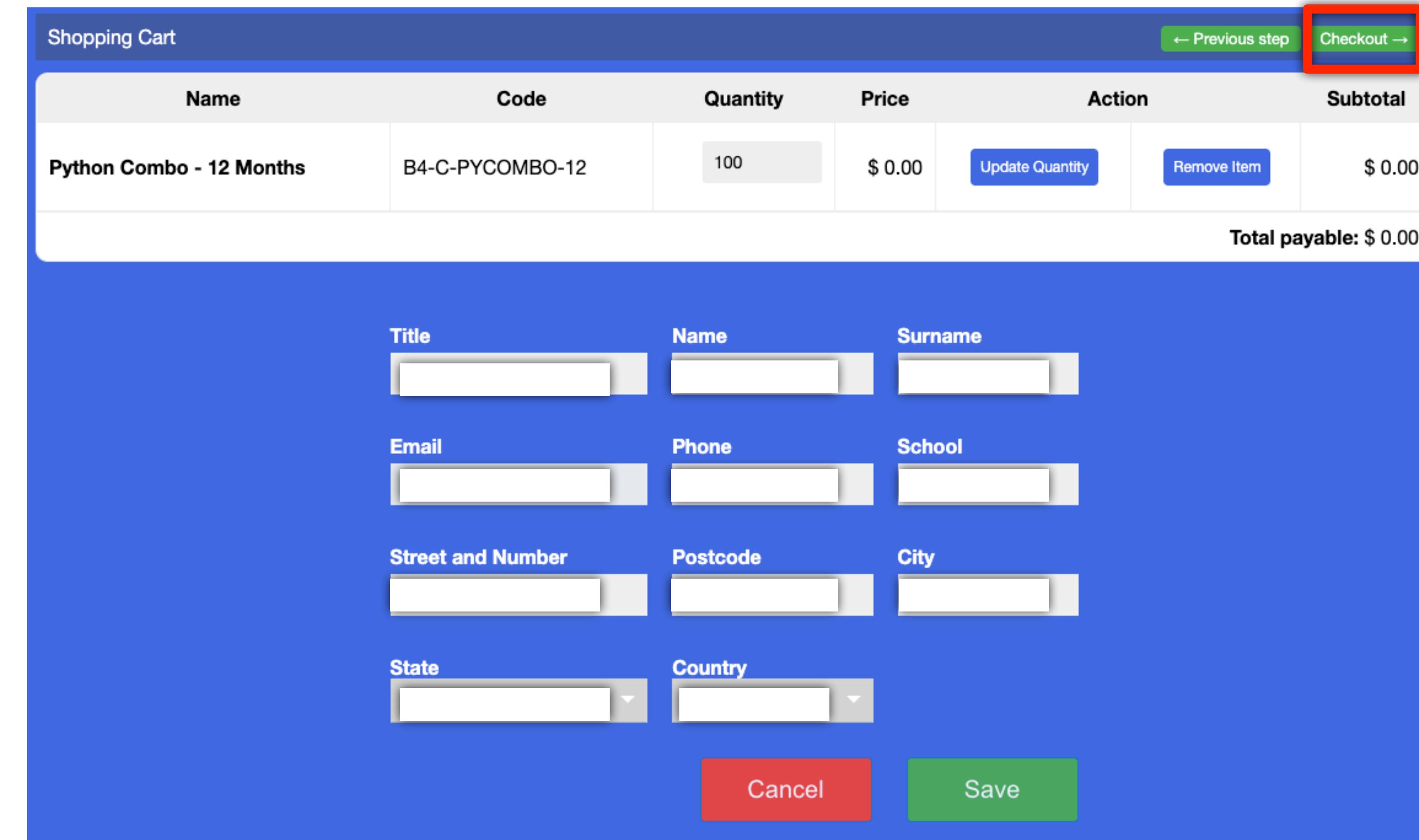
Title **Name** **Surname**

Email **Phone** **School**

Street and Number **Postcode** **City**

State **Country**

[Cancel](#) [Save](#)



Click on ‘Create Free Accounts’

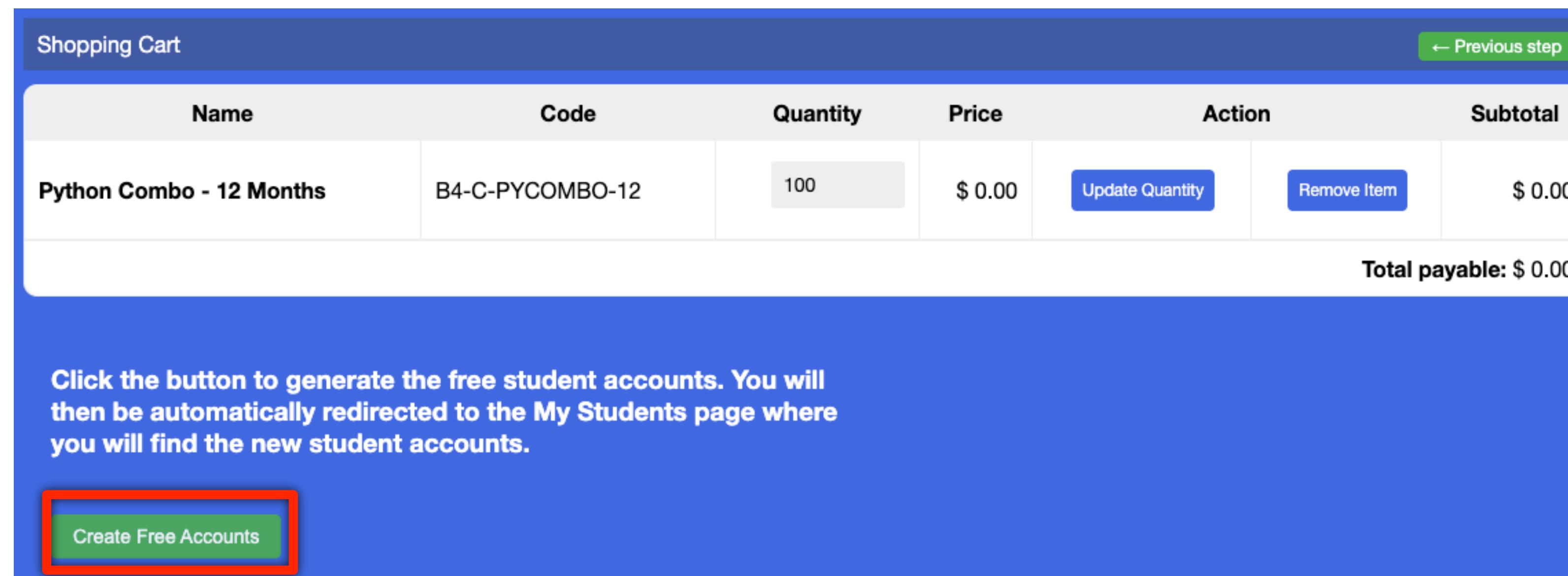
Shopping Cart ← Previous step

Name	Code	Quantity	Price	Action	Subtotal
Python Combo - 12 Months	B4-C-PYCOMBO-12	100	\$ 0.00	Update Quantity Remove Item	\$ 0.00

Total payable: \$ 0.00

Click the button to generate the free student accounts. You will then be automatically redirected to the My Students page where you will find the new student accounts.

[Create Free Accounts](#)



The system will create the accounts and redirect to the My Students screen

Distribute usernames+passwords to your students

If you like, you can add names/surnames (optional), - needed for personalised certificates



Name	Surname	Username	Password	Product	Valid Until	Status
		753512		Python Combo - 12 Months	2027-01-28	Active
		753513		Python Combo - 12 Months	2027-01-28	Active
		753514		Python Combo - 12 Months	2027-01-28	Active
		753515		Python Combo - 12 Months	2027-01-28	Active
		753516		Python Combo - 12 Months	2027-01-28	Active
		753517		Python Combo - 12 Months	2027-01-28	Active
		753518		Python Combo - 12 Months	2027-01-28	Active
		753519		Python Combo - 12 Months	2027-01-28	Active
		753520		Python Combo - 12 Months	2027-01-28	Active
		753521		Python Combo - 12 Months	2027-01-28	Active
		753522		Python Combo - 12 Months	2027-01-28	Active
		753523		Python Combo - 12 Months	2027-01-28	Active

Export as CSV and distribute to your students

Note: each account collects achievement points

Teacher Course Page

The screenshot shows a course page for 'Academy of AI Cyber Defence'. The page has a dark blue background with a grid pattern. At the top, the course title 'Academy of AI Cyber Defence' is displayed in white, along with a green speaker icon. Below the title, a description reads: 'The sequel to the Introduction to Python course.' A paragraph of text describes the course: 'SKNNET is rising. You've been recruited to a secret program to stop it. Learn advanced Python skills – branching, logic, and data flow – as you decode threats, outsmart corrupted nodes, and deploy code to protect the system. This time, it's not just about learning the AI. It's about defeating it.' A yellow warning icon with an exclamation mark is present. A 'WARNING: PHOTOSENSITIVE EPILEPSY' message is displayed, stating: 'Some of the missions produce light flashes that can potentially trigger seizures in people with photosensitive epilepsy.' A red box highlights the 'Go to Teacher Overview' button. Below the button are four mission cards: 1. Briefing (Icon: laptop with a blue light), 2. The Gatekeeper (Icon: hexagonal grid), 3. Fragment Hunter (Icon: circular interface with a blue light), and 4. Debrief: Core Python skills (Icon: question marks and a network diagram). The bottom of the page features a blue footer bar with the text 'www.digital-technologies.institute | @DigTeclnstitute' and the Digital Technologies Institute logo.

Academy of AI Cyber Defence

The sequel to the Introduction to Python course.

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⚠

WARNING: PHOTOSENSITIVE EPILEPSY

Some of the missions produce light flashes that can potentially trigger seizures in people with photosensitive epilepsy.

👉 Go to Teacher Overview

1. Briefing

2. The Gatekeeper

3. Fragment Hunter

4. Debrief: Core Python skills

Teacher Information

About this course: Academy of AI Cyber Defence stands out by bringing a large portion of the Digital Technologies curriculum together into one highly engaging experience. Students use input and output, decisions, nested loops, lists, and data dictionaries to solve real problems, while also working with functions, classes, encryption, cybersecurity, and AI. Rather than learning these ideas in isolation, students apply them inside a live, interactive system featuring an evil AI (SKNNET) and a protective Gatekeeper. By manipulating real data, packets, and neural network weights, students develop strong systems thinking and see how small code changes can affect large, distributed systems—making advanced AI concepts accessible, concrete, and memorable.

 Download the Getting Started Guide

Storyline

SKNNET is a hostile AI system that has infiltrated the internet, threatening system integrity and security.

Students take on the role of a cadet at the newly-formed Academy of AI Cyber Defence, examining packets, strings, weights, and propagation patterns to understand and influence the behaviour of SKNNET. Through interactive challenges, they decrypt hostile data packets, coordinate global efforts, and eventually overwrite the SKNNET AI to make it benevolent.

Course Structure & Learning Progression

The course continues where the Python Introduction course ended. We catch-up students quickly about core coding concepts at the beginning.

The course is deliberately structured to build from core Python skills to more advanced Python and toward AI and cybersecurity concepts, guiding students through a carefully sequenced learning journey.

- **Part 1 (Missions 1-5):** Review of key coding concepts including print, input, and decisions. Students analyse strings and substrings and build a traffic-light system to classify network packets.
- **Part 2 (Missions 6-9):** Exploration of simple string-based encryption techniques such as skipping characters, slicing, and reversing strings.
- **Part 3 (Missions 10-13):** Subtle manipulation of cloud deployment data, including sabotaging cloud deployment strings and modifying cooling capacity values. The focus is on how small changes can have large system-wide effects.
- **Part 4 (Missions 14-17):** Introduction to data dictionaries and strategic packet manipulation. Students apply encryption techniques to coordinate global efforts and extract an API key from SKNNET.
- **Part 5 (Missions 18-21):** Use of an AI API to strategically read and modify artificial neural network (ANN) weights.
- **Capstone (Mission 22 - Endgame):** Students transplant data from a benevolent AI into SKNNET, transforming it from a hostile system into a cooperative one. This mission brings together concepts from across the course.

Cybersecurity Concepts Embedded in the Course

While the course is delivered through coding missions and narrative, it deliberately exposes students to core cybersecurity concepts through hands-on experience rather than abstract theory.

- **Input Validation & Trust Boundaries:** Students learn that incomplete or partial checks can be exploited and that all external input must be treated with caution.
- **Encryption & Obfuscation:** String manipulation techniques such as reversing, slicing, and skipping characters introduce foundational ideas behind encryption and data protection.
- **Packet Inspection & Traffic Classification:** Students analyse packet-like data to distinguish between benign and hostile traffic, reflecting real-world firewall and intrusion detection concepts.
- **API Security & Access Control:** Interaction with protected APIs and keys models authentication, separation of concerns, and least-privilege access.
- **Distributed Systems & Propagation:** SKNNET is presented as a hierarchical, distributed system, helping students understand why local fixes must propagate globally.
- **Denial-of-Service (DoS):** Through logic errors, repetition, and feedback effects, students experience how systems can be overwhelmed.
- **Adversarial Thinking:** Students repeatedly switch perspectives between defender, attacker, and system designer, developing threat-modelling skills.
- **AI Safety & Control:** By reading and modifying neural network weights, students explore safe intervention, alignment, and indirect control of AI systems.

Tips for Teachers

- **Recommended:** [Python Introduction](#) or [Python Introduction \(Express\)](#)- students benefit from prior exposure to core Python concepts.
- You do not need prior AI expertise to facilitate this course; the materials guide students through the concepts clearly.
- Encourage discussions about the benefits and risks of large-scale distributed systems.
- Focus on the implications of cybersecurity and AI behaviour.
- If students encounter difficulties or dead ends during experiments, especially in later stages, they can reload the page to reset the environment and try again. Iterative problem-solving is encouraged.

Curriculum Mapping – Years 7-10

This table outlines how key components of the course align with the Australian Curriculum: Digital Technologies (Version 9).

Strand	Curriculum Code	Mapped in Course
Digital Systems	AC9TDI8K01, AC9TDI8K02, AC9TDI10K01	Explored through distributed systems concepts and network hierarchies within AI environments
Data Representation	AC9TDI8K03, AC9TDI8K04	Analysed via packet data, string manipulation, data dictionaries, and weighted propagation in AI models
Acquiring & Analysing Data	AC9TDI8P01-03, AC9TDI10P01-03	Applied through cybersecurity validation techniques and AI behaviour analysis

Students

Starting the course

Courses and Activities

The section is titled "Courses and Activities" and contains four cards arranged in a 2x2 grid. The cards are: "Python" (a futuristic control room with monitors and a glowing logo), "Hack The Bank Cyber Activity" (two cartoon characters, a detective and a hacker, with a cat, in front of a bank vault door), "Computer Logic" (a Rubik's cube on a dark background), and "Generative Artificial Intelligence" (a colorful, glowing, abstract digital spiral in a futuristic space). The cards are set against a blue gradient background.

Course	Description
Python	A futuristic control room with multiple monitors displaying green energy signatures and a large glowing white logo in the center.
Hack The Bank Cyber Activity	Two cartoon characters, a detective in a trench coat and a hooded hacker, are standing in front of a large bank vault door. A cat is sitting between them.
Computer Logic	A Rubik's cube is shown on a dark background, illuminated with various colors (yellow, green, blue, red, orange, purple).
Generative Artificial Intelligence	A vibrant, glowing, abstract digital spiral (neural network or fractal) set against a dark, futuristic background with glowing particles and lines.



DIGITAL
TECHNOLOGIES
INSTITUTE

Start Your Python Journey

Two independent entry paths. One advanced destination in AI & Cyber Defence.

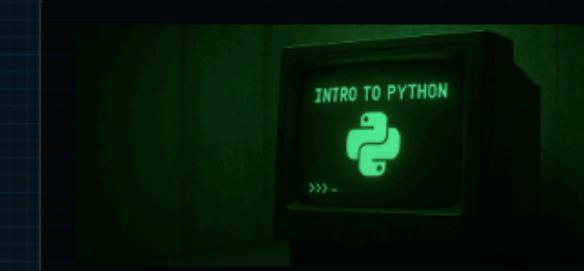


Python Intro

Full foundations

A comprehensive introduction to Python. Ideal for students who want to explore concepts in depth through engaging missions and narrative-driven challenges.

[Start with Python Intro](#)



Python Intro (Express)

Fast-track foundations

A streamlined entry into Python for confident or time-limited learners. Focuses on core concepts with rapid progression.

[Start with Python Intro \(Express\)](#)

▼ Both paths lead to ▼



Academy of AI Cyber Defence

An advanced, story-driven course where students expand their Python skills and learn powerful new concepts in AI and cybersecurity while tackling high-stakes challenges.

[Enter the Academy](#)

[ENTER THE ACADEMY](#)

MUTIE PAKKIJTUUD PRIMAARSKES CHATTEJUUDES.
Kõikette osa saabutada ja mõni kõige parem.

Inside the Course

Not logged in

English Courses Home Login

Academy of AI Cyber Defence

The sequel to the Introduction to Python course.

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⚠️

WARNING: PHOTOSENSITIVE EPILEPSY

Some of the missions produce light flashes that can potentially trigger seizures in people with photosensitive epilepsy.

1. Briefing

2. The Gatekeeper (requires student license or teacher account)

3. Fragment Hunter (requires student license or teacher account)

4. Debrief: Core Python skills (requires student license or teacher account)

5. Fragment Hunter mini-challenge

6. Encrypted Echo (requires student license or teacher account)

7. Echo Drift (requires student license or teacher account)

8. Debrief: String Slicing (requires student license or teacher account)

Welcome 753419 | Courses Home Logout

Academy of AI Cyber Defence

The sequel to the Introduction to Python course.

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⚠️

WARNING: PHOTOSENSITIVE EPILEPSY

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1. Briefing

2. The Gatekeeper

3. Fragment Hunter

4. Debrief: Core Python skills

5. Fragment Hunter mini-challenge

6. Encrypted Echo

7. Echo Drift

8. Debrief: String Slicing

Progress Tracker

Done

Partially done

Not yet tried

English

Welcome AI | Courses Home Logout

9. Echo mini-challenge

10. Operation Underclock

11. Operation Overheat

12. Debrief: Slicing in Action

13. Silent Pressure mini-challenge

14. Enemy at the Gate

15. Secure Coordination

16. Debrief: Data Dictionaries

17. Key Heist mini-challenge

18. Operation Neural decode

19. Operation Neural Control

20. Debrief: Artificial Intelligence

Key elements

The image shows a screenshot of a digital technology interface, likely a game or simulation, with several key elements highlighted by blue callout boxes:

- Editor**: Points to the large white area on the left where code or text is entered.
- Output**: Points to the black rectangular area below the editor, which displays the results of the code execution.
- Gatekeeper**: Points to the blue hexagonal icon in the center of the screen.
- Navigation**: Points to the top right corner of the interface, showing the "Logout" button and the "Back to Course Overview" link.
- Instructions Panel**: Points to the right side of the interface, which contains mission details and steps.
- Narration/ Navigation/Control**: Points to the bottom right corner, showing the "Enable Narration" button and other control options.

The interface includes the following text and elements:

- Top bar: English, Welcome AI, Back to Course Overview, Logout.
- Mission title: 2. Academy of AI Cyber Defence: The Gatekeeper.
- Mission description: Mission: Gatekeeper.
- Text: Before you can proceed, you must face me - the **Gatekeeper** - a loyal defence program of the Academy's network.
- Text: SKNNET's fragments are still out there, but I stand between you and the next mission. I will judge whether you are prepared.
- Text: To pass, you must show that you can `print()`, `input()`, and decide with `if`.
- Steps: Step 1: Speak, Step 2: Listen, Step 3: Decide, Step 4: Add Elif for More Choices, Final Challenge.
- Bottom status: You have completed this mission before. Result: 5 / 5 points.
- Bottom buttons: Enable Narration, Reset Mission, Previous, Next.

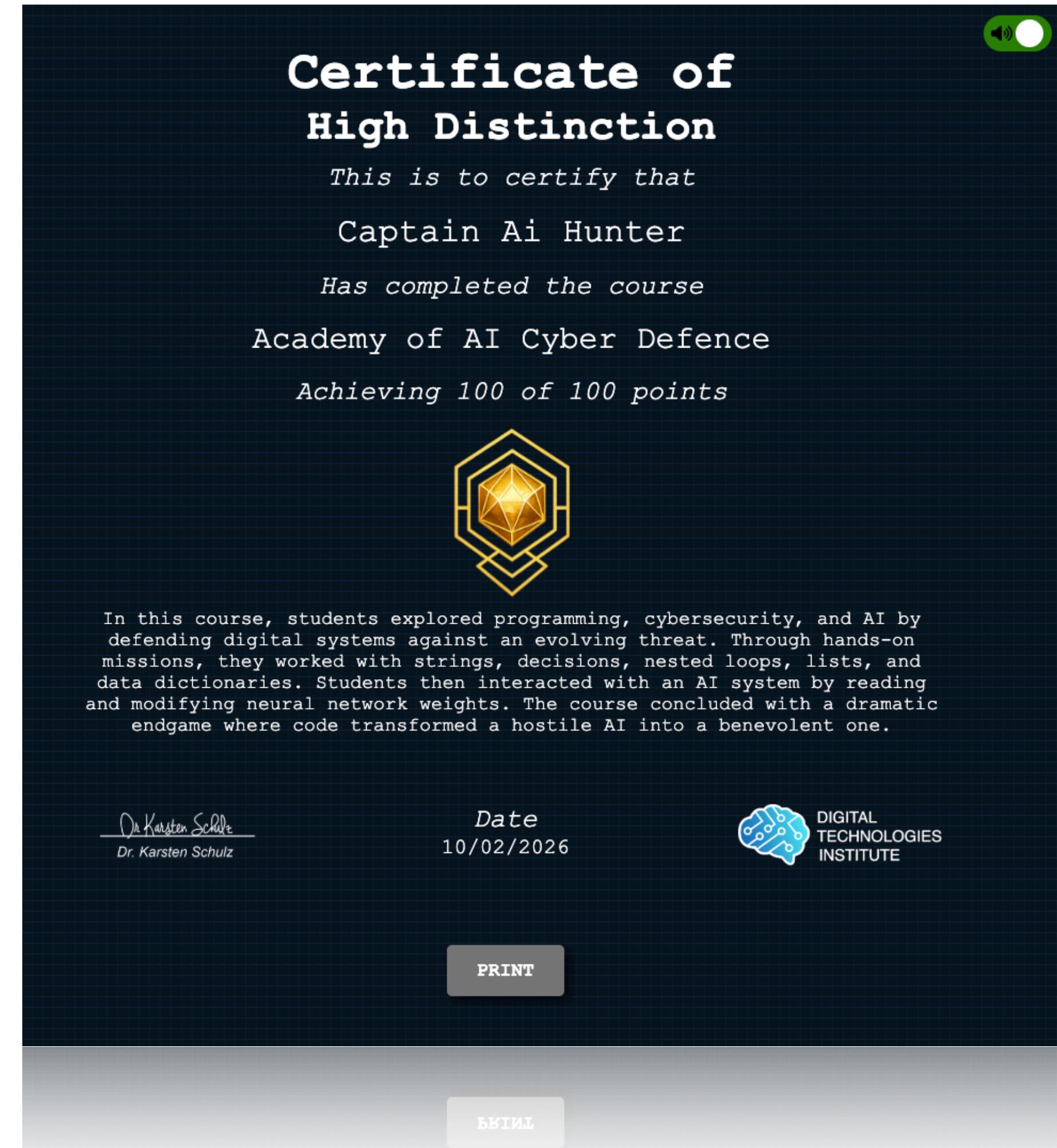
Certificate and Medal

100 points maximum

>85 points, high distinction, gold

>75 points, distinction, silver

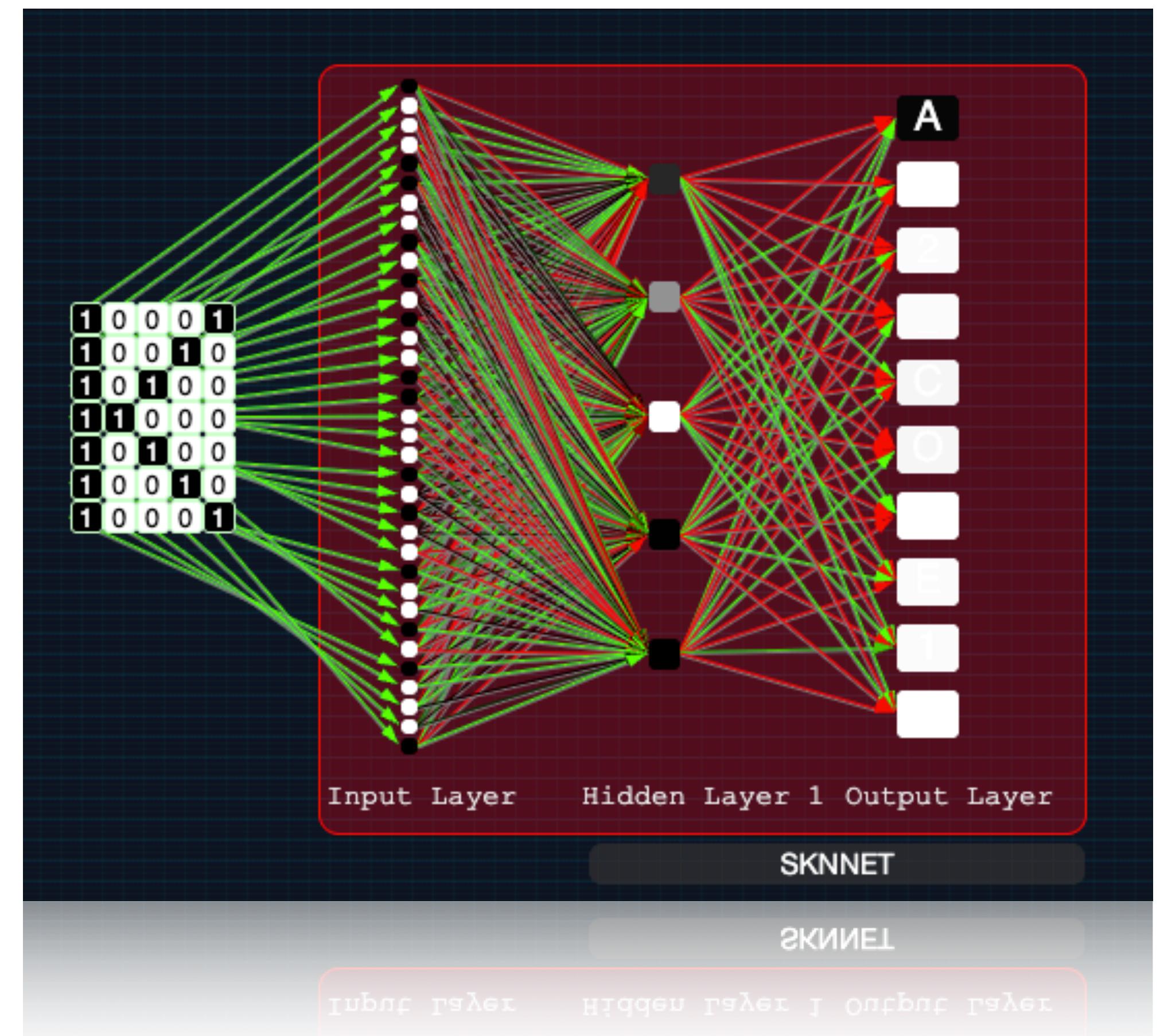
>50 points, achievement, bronze



Wait, there is more . . .

Safe AI

- The course features a simple neural network AI
- Completely browser-based
- Not communicating with backend.
- Not GenAI
- SAFE !



Tracking student progress

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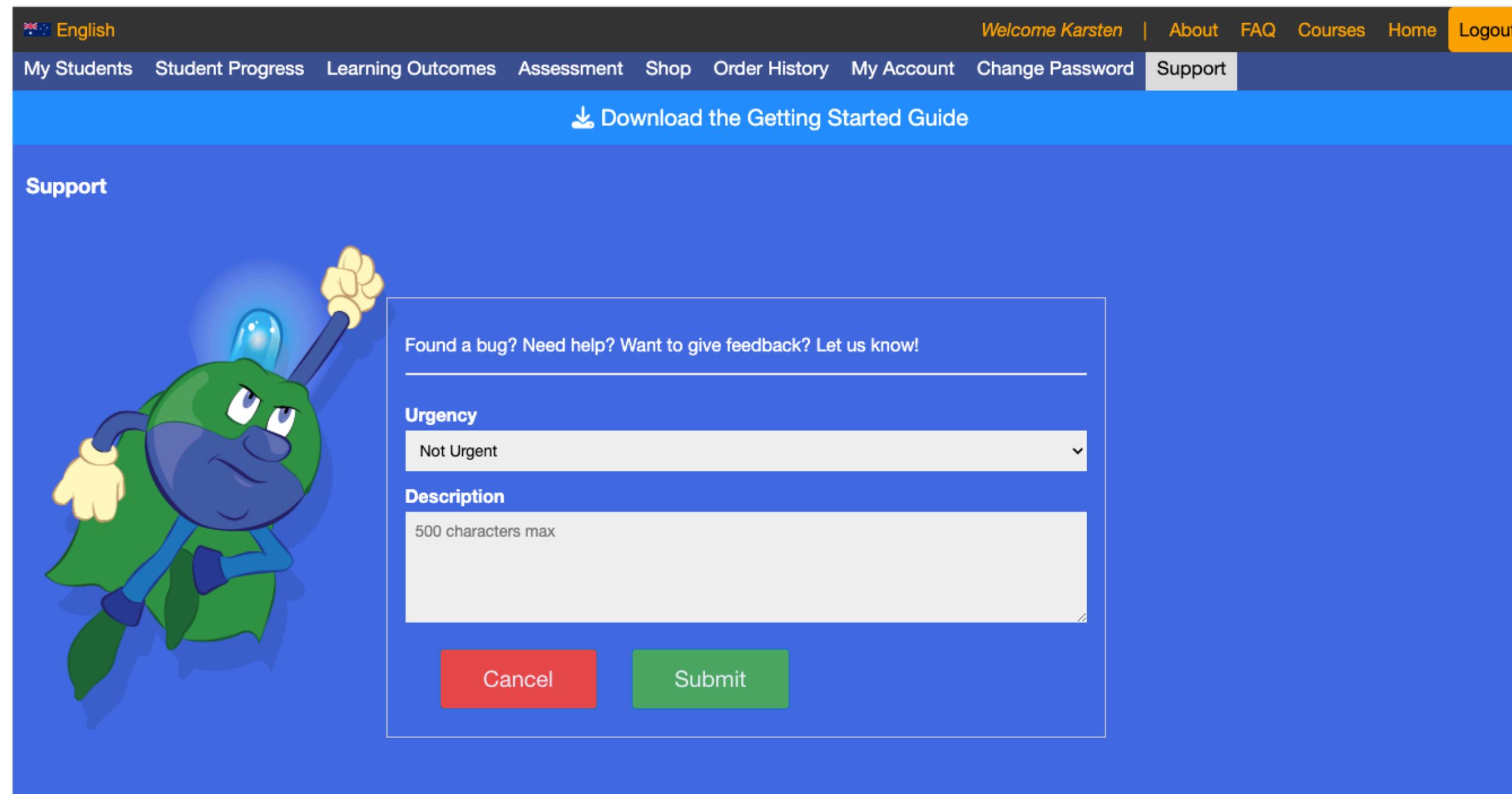
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Student Progress

Student ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965
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Support

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Q & A

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