Welcome to the
CoGrammar

Skills Bootcamp - Task 1-9

The session will start shortly...

Questions? Drop them in the chat. We'll have dedicated moderators answering questions.

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Cyber Security Session Housekeeping

- The use of disrespectful language is prohibited in the questions, this is a supportive, learning environment for all - please engage accordingly. **(Fundamental British Values: Mutual Respect and Tolerance)**

- No question is daft or silly - **ask them!**

- There are **Q&A sessions** midway and at the end of the session, should you wish to ask any follow-up questions. Moderators are going to be answering questions as the session progresses as well.

- If you have any questions outside of this lecture, or that are not answered during this lecture, please do submit these for upcoming Academic Sessions. You can submit these questions here: **Questions**

Cyber Security Session Housekeeping cont.

- For all **non-academic questions**, please submit a query:

  www.hyperiondev.com/support

- We would love your **feedback** on lectures: **Feedback on Lectures**

- Find all the lecture **content** in you **Lecture Backpack** on GitHub.

- If you are hearing impaired, please kindly use your computer's function through Google chrome to enable captions.

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Safeguarding & Welfare

We are committed to all our students and staff feeling safe and happy; we want to make sure there is always someone you can turn to if you are worried about anything.

If you are feeling upset or unsafe, are worried about a friend, student or family member, or you feel like something isn't right, speak to our safeguarding team:

Ian Wyles
Designated Safeguarding Lead

Simone Botes

Nurhaan Snyman

Rafiq Manan

Ronald Munodawafa

Tevin Pitts

Scan to report a safeguarding concern

or email the Designated Safeguarding Lead:
Ian Wyles
safeguarding@hyperiondev.com

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Stay Safe Series:

Mastering Online Safety One week at a Time

While the digital world can be a wonderful place to make education and learning accessible to all, it is unfortunately also a space where harmful threats like online radicalization, extremist propaganda, phishing scams, online blackmail and hackers can flourish.

As a component of this BootCamp the *Stay Safe Series* will guide you through essential measures in order to protect yourself & your community from online dangers, whether they target your privacy, personal information or even attempt to manipulate your beliefs.

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Stay Safe Series

Pause Before You Post:

Managing Your Digital Presence

- Impact on Reputation.
- Permanent Record.
- Privacy Concerns.
- Miscommunication.
- Influence on Others.
- Professional Implications.
- Mental Well-being.

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Learning Objectives & Outcomes

- Explain and apply foundational Python concepts, including variables, data structures, loops, and file handling.

- Practice creating and using functions for modular code.

- Gain hands-on experience with object-oriented programming by defining and using classes, objects, and methods.

- Learn the four pillars of OOP: abstraction, encapsulation, inheritance, and polymorphism.

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- Imagine you're building a store inventory system. How would you represent products and their details?

Please have a look at the poll notification and select an option.

How would you describe your understanding of Python so far?

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Task: Simple Inventory Management System

- Build an inventory management program for a store

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Polls

Please have a look at the poll notification and select an option.

Which of the following best describes the purpose of a class method?

a. To create an instance of the class.
b. To perform actions on class data.
c. To define class attributes.

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Polls

Please have a look at the poll notification and select an option.

What is encapsulation in OOP?

a. Allowing unrestricted access to attributes.
b. Bundling data and methods into a class to protect it.
c. Using inheritance to extend class functionality.

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Questions and Answers

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Thank you for attending

SKILLS FOR LIFE
SKILLS BOOTCAMPS

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