Welcome to the CoGrammar

Functions - Revision

The session will start shortly...

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

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.

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.

Safeguard Your Digital Life:

The Importance of Backups

- Data Loss Prevention.
- Protection Against Cyber Threats.
- Peace of Mind.
- Version Control.
- Compliance and Legal Reasons.
- Easier Recovery.

Learning Objectives & Outcomes

- Identify and recall built-in Python functions such as print(), len(), and input().
- Describe the components of a function (defining, parameters, return statements).
- Create and call user-defined functions to perform specific operations.
- Examine the scope of variables within functions.

Functions in Python

October 2024

Polls

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

Which of the following best describes a function in python?

A. A block of code that only runs when it's called
B. A variable that store data
C. A loop that repeats a block of code
D. A data structure to store multiple values

Polls

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

Which of the following is true about function parameters

A. They are optional and used only for complex functions.

B. They allow us to pass information into the function.

C. They must always be numbers.

D. They can only be used in loops.

Functions

What aspects of functions would you like to dive deeper into?

Polls

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

What is the purpose of a return statement in a function?

A. To end the function and output a result
B. To repeat the function
C. To define the parameters of a function
D. To name the function

Polls

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

Which of the following scenarios demonstrates an understanding of function scope in Python?

A. A variable declared within a function can be accessed and modified directly from outside the function without any special declarations.
B. A nested function can access variables from its enclosing functions' scope, but those variables cannot be modified directly.
C. A global variable declared before a function can only be read inside the function but cannot be modified unless declared with the global keyword.
D. A function can be called before it is defined in the code as long as the function name is known.

Questions and Answers

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Thank you for attending

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