




Welcome to the CoGrammar

Lists and Dictionaries

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.

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



Rafiq Manan



Charlotte Witcher



Nurhaan Snyman



Ronald Munodawafa



Tevin Pitts

Scan to report a
safeguarding concern



or email the Designated
Safeguarding Lead:
Ian Wyles

safeguarding@hyperiondev.com

Stay Safe Series:

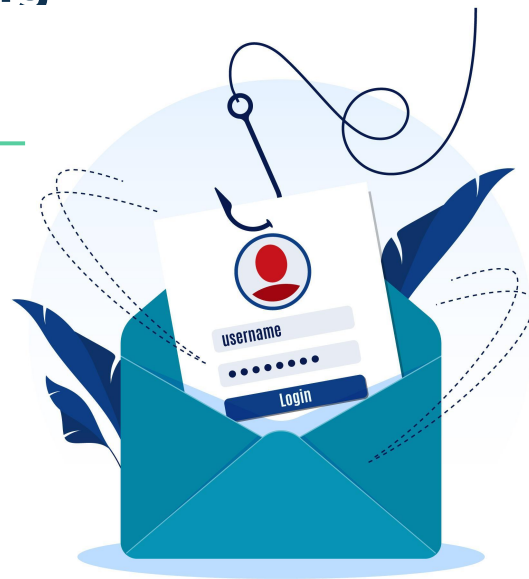
Mastering Online Safety One Week/step at a Time

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/is designed to 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.

Don't Take the Bait: How to Spot Phishing Scams

- Check email address.
- Unprofessionalism.
- Avoid attachments from unknown sources.
- Avoid signs of urgency.
- Content should make logical sense.



Learning Objectives & Outcomes

- Use Python lists within code.
- Implement different list methods.
- Use Python dictionaries within code.
- Implement different dictionary methods.



CoGrammar

Lists & Dictionaries

October 2024

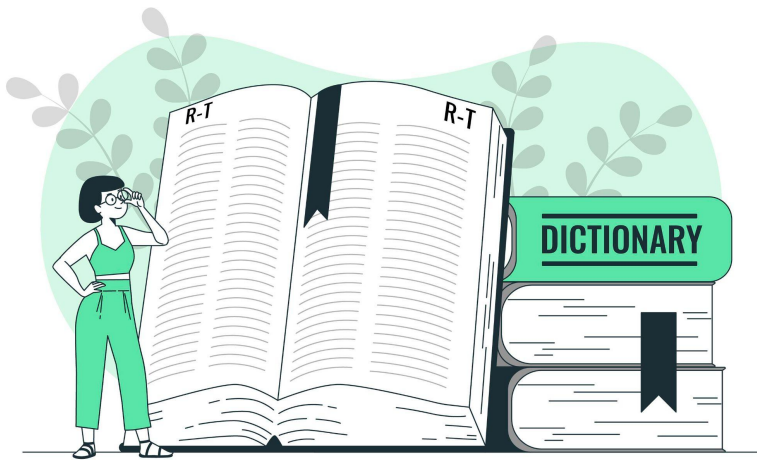
Dictionaries

In which scenarios would you use a list in Python?



Dictionaries

In which scenarios would you use a dictionary in Python?



Polls

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

How can you append an item to a list in Python?

- A. `my_list.add(4)`
- B. `my_list.append(4)`
- C. `my_list.insert(4)`
- D. `my_list[4] = 4`

Polls

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

What happens if you try to access a key that doesn't exist in a dictionary using square brackets ([])?

- A. It returns None
- B. It raises a `KeyError`
- C. It adds the key with value None
- D. It raises a `ValueError`

Polls

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

Which method is used to get all values from a Python dictionary?

- A. `my_dict.values()`
- B. `my_dict.items()`
- C. `my_dict.get_values()`
- D. `my_dict.all_values()`

Polls

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

What does `my_list.pop()` do in Python?

- A. Removes the first element
- B. Removes the element at index 0
- C. Removes the last element
- D. Adds a new element at the end

Questions and Answers



Thank you for attending



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