### CoGrammar

Welcome to this session:

Task 5 - Programming with User-defined Functions

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: <u>Questions</u>



#### **Cyber Security Session Housekeeping**

- For all non-academic questions, please submit a query:
   <u>www.hyperiondev.com/support</u>
- Report a safeguarding incident: <u>www.hyperiondev.com/safeguardreporting</u>
- We would love your feedback on lectures: Feedback on Lectures
- If you are hearing impaired, please kindly use your computer's function through Google Chrome to enable captions.



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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

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**Tevin Pitts** 

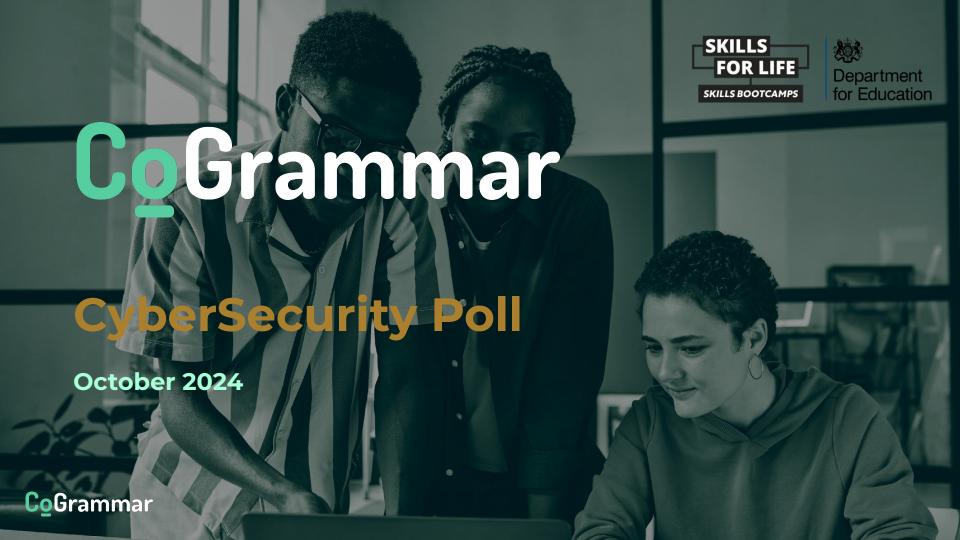
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#### **Learning Objectives**

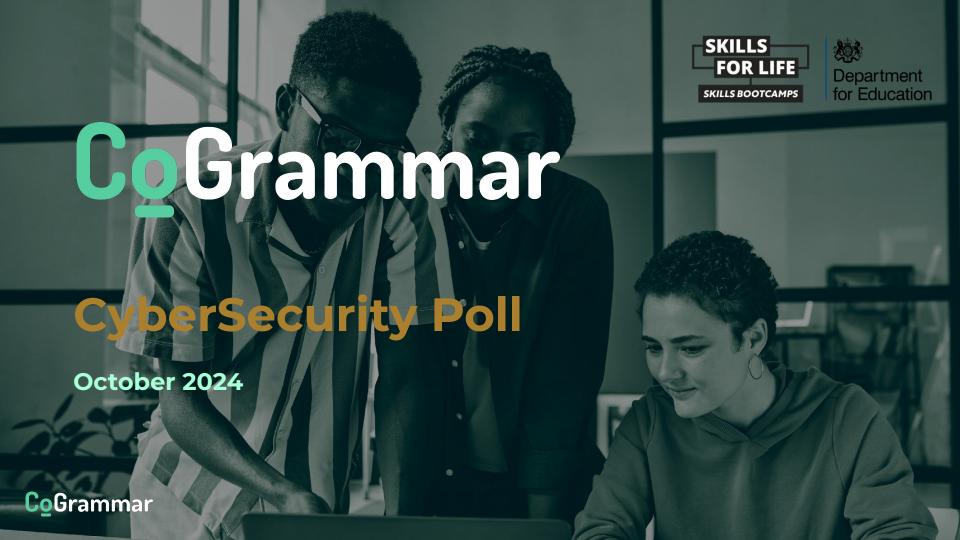
- Define what a user-defined function is in Python and recall the syntax used to create a function.
- Explain the purpose of user-defined functions and describe how functions can help break down a larger problem into manageable tasks.
- Compare how using separate functions for specific tasks (such as calculating hotel, plane, and car rental costs) improves code readability and modularity versus writing one large function.
- Write a Python program that utilizes multiple user-defined functions to solve a problem, such as calculating total costs based on various factors.



#### **Overview of Tasks**

 Task 1: Create a Python file called holiday.py using separate functions for specific tasks (such as calculating hotel, plane, and car rental costs).





## Questions and Answers





# Thank you for attending







