



# 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

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- 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

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- For all **non-academic questions**, please submit a query:  
**[www.hyperiondev.com/support](http://www.hyperiondev.com/support)**
- **Report a safeguarding incident:** **[www.hyperiondev.com/safeguardreporting](http://www.hyperiondev.com/safeguardreporting)**
- 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.

# 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  
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## Learning Objectives

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- 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).



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# Questions and Answers



# Thank you for attending



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