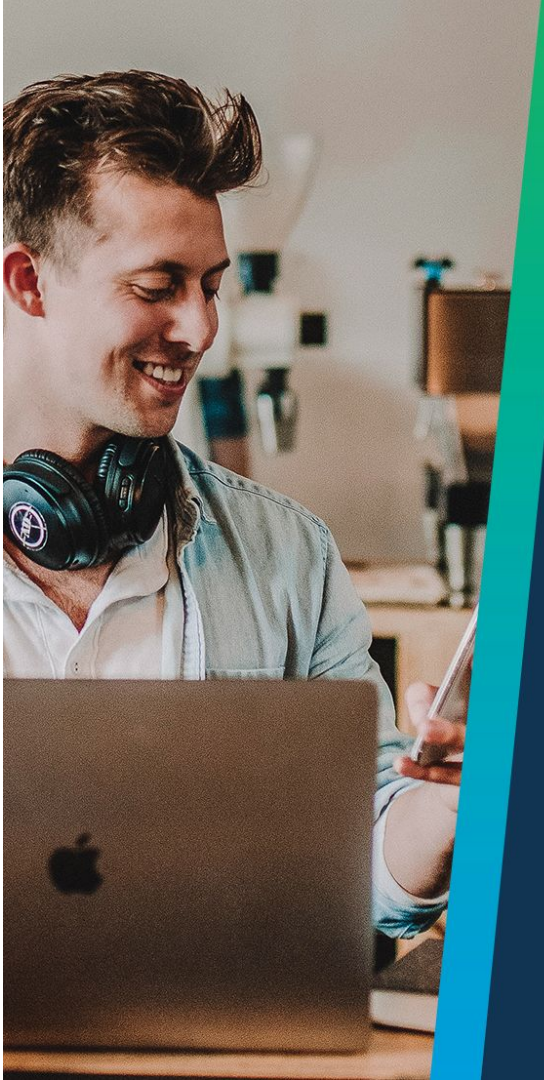

All Bootcamps

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Defensive Programming

Workshop – Housekeeping

- The use of disrespectful language is prohibited in the questions, this is a supportive, learning environment for all - please engage accordingly.
- 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.
- For all non-academic questions, please submit a query: www.hyperiondev.com/support
- Report a safeguarding incident: http://hyperiondev.com/safeguardreporting
- We would love your feedback on lectures: https://hyperionde.wufoo.com/forms/zsgv4m40ui4i0g/

Objectives

1. Defensive Programming
    a. What is defensive programming?
    b. How do we apply it?

Defensive programming

Defensive programming

- We can't expect users to restart a program every time something goes wrong.
- It is important to remember that you cannot trust the input from a user.
- Users can make all sorts of mistakes during input which can cause a ton of headaches for your programmes.
- Just like the mistakes our users make, we can also make mistakes and use incorrect data in our programs.

Defensive programming

- A lot of people depend on the programmes we write so we can't have it fail or have errors. Especially when there are lives at stake.
- With defensive programming we try to anticipate mistakes that might occur during the programs runtime.
- We then try to refactor the code to handle the errors and prevent the program from crashing.
- We can highlight some errors by using manual and automated testing.

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Q & A Section

Please use this time to ask any questions relating to the topic explained, should you have any

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Thank you for joining us

Stay hydrated
Avoid prolonged screen time
Take regular breaks
Have fun :)