



Cyber Security Bootcamp

Hyperiondev

Welcome!

Welcome

Your Lecturer for this session



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Objectives

- Introduce myself
- Provide an overview of the content
- Lecture Structure and some rules
- Questions :)

Algorithms & Pseudo Code

- ★ An unambiguous series of steps.
- ★ Leads to the solution of a problem.
- ★ Can be displayed / represented with natural language.
- ★ **Pseudo code** is a representation of an Algorithm.

Pseudo Code

- ★ Described previously as a **representation** of an **algorithm**.
- ★ Written in **short, plain English phrases** to describe code for programs.
- ★ Used to create **programming statements** that achieve the required results for a program.

Why Pseudo Code?

Pseudo code is an alternative way to write up algorithms for programmers to understand.

It is popular because:

- ★ It is **easy** to read and write.
- ★ It can focus on the **core logic** of the **program**.
- ★ It is structured in plain **English**.

Pseudo Code Conventions

- ★ Should be written in **simple, plain English**.
- ★ Each instruction / functionality should be written on a **separate line**.
- ★ Has a **Start** point and **End** point and is written from top to bottom.

Since pseudo code **does not follow any syntax from any programming language**. It is not a necessity to use indentation to outline structure, and no restrictions are placed to prevent one from doing so.

Pseudo Code Example

Making a cup of tea:

START

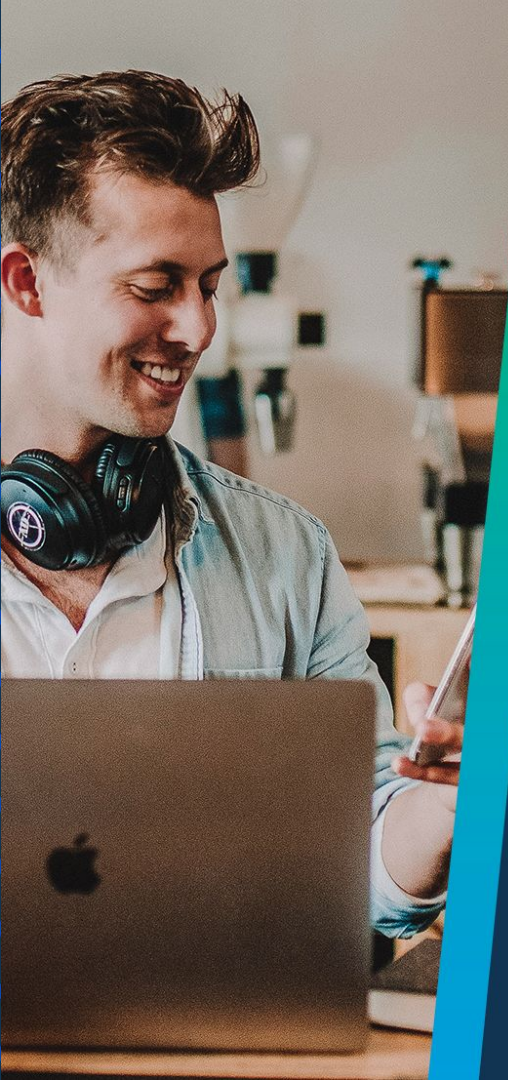
1. Organise ingredients
2. Fill and switch on kettle,
3. Put tea bag in cup,
4. Wait for water to boil,
5. Add water to cup,
6. Remove tea bag with spoon,
7. Add milk or sugar,
8. Enjoy

END

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Q & A Section

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



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**Thank You for
Joining Us**