# CoGrammar

## Week 2 – Tutorial Session

SKILLS FOR LIFE

SKILLS BOOTCAMPS

Department for Education

# Software Engineering Lecture Housekeeping

- The use of disrespectful language is prohibited in the questions, this is a supportive, learning environment for all - please engage accordingly. **(FBV: Mutual Respect.)**
- 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 Open Classes. You can submit these questions here: **Open Class Questions**

# Software Engineering Lecture Housekeeping cont.

- For all **non-academic questions**, please submit a query:

  **www.hyperiondev.com/support**

- Report a **safeguarding** incident:

  **www.hyperiondev.com/safeguardreporting**

- We would love your **feedback** on lectures: **Feedback on Lectures**

# Progression Criteria

✓ **Criterion 1: Initial Requirements**

- Complete 15 hours of Guided Learning Hours and the first four tasks within two weeks.

✓ **Criterion 2: Mid-Course Progress**

- Software Engineering: Finish 14 tasks by week 8.
- Data Science: Finish 13 tasks by week 8.

✓ **Criterion 3: Post-Course Progress**

- Complete all mandatory tasks by 24th March 2024.
- Record an Invitation to Interview within 4 weeks of course completion, or by 30th March 2024.
- Achieve 112 GLH by 24th March 2024.

✓ **Criterion 4: Employability**

- Record a Final Job Outcome within 12 weeks of graduation, or by 23rd September 2024.

# Lecture Objectives

1. Reviewing For loops.

2. Reviewing Continue & Break

3. Task requirements

4. Open floor: Q&A

# for Loop Syntax

```
for item in iterable_object:

    # Logic goes here
```

★ Iterable_object: a list of numbers, a string of characters, a range etc.

★ Item: temporary variable used inside the for loop to reference the current position of our iterator.

# For Loop Example

```
string = "coffee"

for letter in string:

    print(letter)
```

★ The above loop will iterate over the string "coffee".
★ This entails the temporary variable letter being continuously updated with each letter found in "coffee".
★ This results in the following output:

# Continue & Break

★ Continue: The continue keyword allows you to stop a loop at any time and start the next iteration. We can combine it with a conditional statement to start the next iteration at a given condition.

★ Break: The break keyword allows you to stop a loop at any time. We can combine it with a conditional statement to stop a loop at a given condition.

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Refer to python files for revision.

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Questions and Answers

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## Thank you for joining