# CoGrammar

## Reading Files

SKILLS FOR LIFE
SKILLS BOOTCAMPS

Department for Education

# Software Engineering Lecture Housekeeping

- The use of disrespectful language is prohibited in 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**

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# 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**

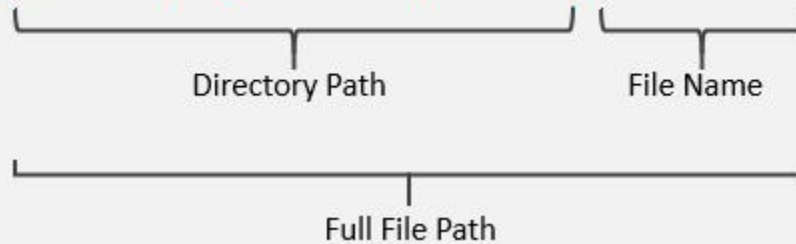- Record a Final Job Outcome within 12 weeks of graduation, or by 23rd September 2024.

# Lecture Objectives

1. Understand the distinction between file relative and absolute paths in file handling.

2. Explore the concept of file encoding and its application in file handling.

# Absolute Path



**Absolute Path**

/user/Pynative/data/sales.txt

Directory Path | File Name

Full File Path

# Relative Path



```
file = open("Dear Diary.txt")

read_content = file.read()

print(read_content)
```

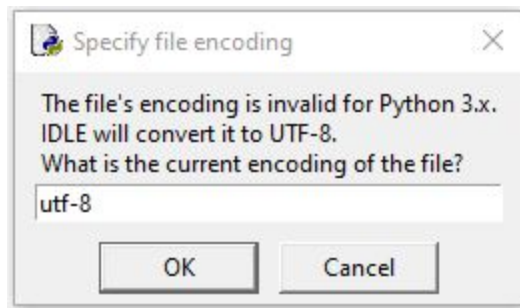# Poll:

# Assessment

# File Encoding

What is the difference between an absolute and relative path?

# Best Practices

**Challenge:**

**What is UTF-8 encoding and why is it important in file handling ?**

# Poll:

# Assessment

# Wrapping Up

## Absolute Path

Refers to the complete and exact location of a file or directory within a file system.

## Relative Path

Specifies the location of a file or directory relative to the current working directory.

## File Encoding

Refers to the character encoding scheme used to represent text data in a file.

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Questions around Paths and File Encoding

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## Thank you for joining