



CoGrammar

“Writing To A Text File”

**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](#)

Lecture Objectives

1. Explore various methods to write content into a file.
2. Gain an understanding of file modes relevant to writing into a file.

File Modes for Writing Into a File

<code>'r+'</code>	Open for reading and writing. Start at beginning of file. <code>read and write</code>
<code>'w'</code>	Open for writing only. Remove all previous content, if file doesn't exist, create it. <code>write only</code>
<code>'w+'</code>	Open for writing and reading, but start at beginning of current file. <code>write and read</code>
<code>'a'</code>	Open writing, but start at END of current content. <code>append only</code>
<code>'a+'</code>	Open for reading and writing, start at END and create file if necessary. <code>append and read</code>

File Writing Methods

```
<file_obj>.write(<string>)
```

Content that you want
to append (String)



Poll:

Assessment



Using 'print()' for File Writing

```
# Open a file in write mode ('w')
with open('output.txt', 'w') as file:
    # Use print() to write to the file
    print("Hello, this is a line of text.", file=file)
    print("This is another line.", file=file)
    print("And one more line for good measure.", file=file)
```




Question:



What is the difference between writing and appending to a file?

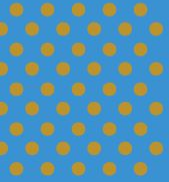


Best Practices






Challenge:



What happens if you open a file
that already exists in write('w')
mode?





Poll:

Assessment



Wrapping Up

File Writing Methods

Provide flexibility when writing to files, allowing you to manipulate file content as needed.

File Modes for Writing Into a File

Determine how the file is accessed, whether existing data is retained or overwritten, and whether the file is created if it does not exist.

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.

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Questions around file writing



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Thank you for joining