



# CoGrammar

## Theory Lecture

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# Software Engineering Lecture Housekeeping

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- 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.

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- For all **non-academic questions**, please submit a query: [www.hyperiondev.com/support](https://www.hyperiondev.com/support)
- Report a **safeguarding** incident: [www.hyperiondev.com/safeguardreporting](https://www.hyperiondev.com/safeguardreporting)
- We would love your **feedback** on lectures: [Feedback on Lectures](#)



# CoGrammar

**“Hello World”**

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# Lecture Objectives

- 1. Define Python as a high-level programming language.**
- 2. Explain the concept of variables and their role in storing and managing data in Python.**
- 3. Demonstrate basic string usage.**



**Poll:**

**Assessment**






## Which Apps Are Developed With **Python**






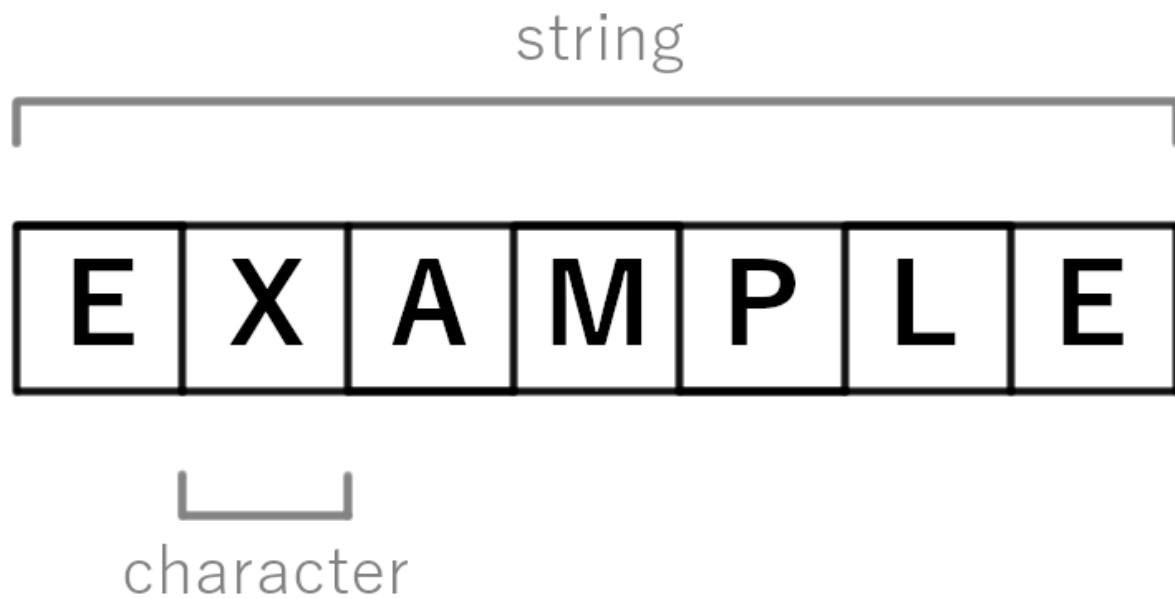


## Question:



**Why is Python considered an easy-to-learn programming language, and what are its popular use cases?**





# Strings

```
2  double_quote = "The quick brown fox jumps over the lazy dog"
3  single_quote = 'A'
4
5  # Assigning a string to a variable
6  name = "Miles"
7  surname = "Morales"
8
9  # Assigning the result of two concatenated strings to a variable called 'full_name'
10 full_name = name + surname
11 print(full_name)
12
13 full_name = name + " " + surname
14 print(full_name)
15
16 # BONUS ALERT!!! --> Using formatted-strings :)
17 full_name = f"{name} {surname}"
18 |
19 # Printing whatever is stored in the full_name variable to the terminal
20 print(full_name)
```

# Variables



# Best Practices



# Strings

```
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```



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## Practical Lecture

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## Challenge:



**Identify any naming convention violations and suggest corrections.**







**Poll:**

**Assessment**



# Wrapping Up

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## Python

Python is a high-level, interpreted programming language known for its simplicity and readability.

## Strings

They can be created using single (' '), double (" ") quotes.

## Variables

Variables are declared and assigned values using the assignment operator (=).

# 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.

## ✓ **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.

## Software Engineering Lecture Housekeeping cont.

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Questions around String and Variables



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**Thank you for joining**

