**🎬 Topic: Single-line and Multi-line Comment Statements in Python**

### **✅ What is a Comment in Python?**

A **comment** is a line in your code that **Python ignores** during execution.  
 It’s used to:

* Explain your code
* Leave notes
* Temporarily disable lines of code

🧠 Think of it as "**code for humans, not for Python**"

## **🟩 1. Single-line Comment**

### **📌 Syntax:**

# This is a single-line comment

### **✅ Practical Example:**

x = 5 # Storing a number

# print(x) ← This line won't run

🎥 What to show:

* How it works above/beside a line
* It doesn't affect output

## **🟨 2. Multi-line Comment (Using Triple Quotes)**

Python doesn't have **true multi-line comment syntax** like C (/\* ... \*/) But we **simulate it** using triple quotes:

### **📌 Syntax:**

"""

This is a

multi-line comment

in Python.

"""

Or:

'''

This is also

a valid multi-line comment.

'''

### **✅ Practical Example:**

"""

This program adds two numbers

and prints the result.

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"""

a = 5

b = 3

print(a + b)

💡 Note: Triple quotes are normally used for **docstrings**, but work as multi-line comments **if not assigned to anything.**

## **🧠 Wrap-Up Summary (Quick Recap)**

| **Type** | **Syntax** | **Use Case** |
| --- | --- | --- |
| Single-line | # comment | Short notes or inline comments |
| Multi-line | ''' ... ''' or """ ... """ | Longer explanations or block comments |

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### **About the Author**

**Gowtham SB** is a **Data Engineering expert, educator,** **and content creator** with a passion for **big data technologies, as well as cloud and Gen AI** . With years of experience in the field, he has worked extensively with **cloud platforms, distributed systems, and data pipelines**, helping professionals and aspiring engineers master the art of data engineering.

Beyond his technical expertise, Gowtham is a **renowned mentor and speaker**, sharing his insights through engaging content on **YouTube and LinkedIn**. He has built one of the **largest Tamil Data Engineering communities**, guiding thousands of learners to excel in their careers.

Through his deep industry knowledge and hands-on approach, Gowtham continues to **bridge the gap between learning and real-world implementation**, empowering individuals to build **scalable, high-performance data solutions**.

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🎥𝐘𝐨𝐮𝐓𝐮𝐛𝐞 - https://www.youtube.com/@dataengineeringvideos

📸𝐈𝐧𝐬𝐭𝐚𝐠𝐫𝐚𝐦 - <https://instagram.com/dataengineeringtamil>

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