

Comments in Python with Real-Life Examples

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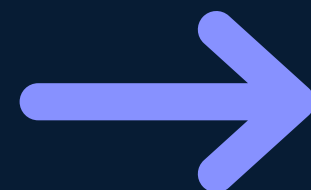
1. PYTHON COMMENTS – WHY & HOW TO USE THEM:

COMMENTS DON'T AFFECT YOUR CODE —
BUT THEY CAN SAVE YOU HOURS LATER! ⌚

2. WHAT ARE COMMENTS IN PYTHON?

IN PYTHON, COMMENTS START WITH A #
SYMBOL.

THEY ARE USED TO EXPLAIN CODE, MAKE IT
READABLE, AND LEAVE NOTES FOR YOURSELF OR
OTHERS.



```
python
```

```
# This is a comment
```

```
print("Hello") # This prints Hello
```



3: REAL-LIFE ANALOGY

💡 **COMMENTS ARE LIKE STICKY NOTES ON YOUR WORK:**

🏠 **IMAGINE:**
YOU'RE BUILDING A HOUSE (YOUR CODE).

📝 **YOU LEAVE A NOTE:**
"DON'T PAINT THIS WALL — IT'S STILL DRYING!"

THAT'S EXACTLY WHAT A COMMENT DOES IN PYTHON — IT EXPLAINS OR WARNS.

4: WHY USE COMMENTS?

- ◆ EXPLAIN WHAT A FUNCTION OR BLOCK DOES
- ◆ HELP OTHERS UNDERSTAND YOUR LOGIC
- ◆ LEAVE TODOS OR NOTES FOR FUTURE EDITS
- ◆ DEBUG MORE EASILY



4. USE CASE – REAL LIFE EXAMPLE

YOU'RE WRITING A BILLING SYSTEM:

```
python

# Check if customer is eligible for discount
if customer_age > 60:
    discount = 0.10 # 10% senior discount
```

Without the comment,
the reason for the 10% discount might be unclear to others.



❌ 6: BAD VS GOOD COMMENTING

❌ Bad:

```
python
```

```
# subtract price times discount from price  
total = price - (price * discount)
```

✅ Good:

```
python
```

```
# Apply discount to calculate final price  
total = price - (price * discount)
```

👉 Don't just describe what the code does — explain why!



7: MULTILINE COMMENTS : (DOCSTRINGS)

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Use `""" """` for multi-line comments or documentation:
Use for functions, classes, or modules.

```
def greet():  
    """  
    This function prints a welcome message.  
    It can be reused across the app.  
    """  
    print("Welcome!")
```

8: Stay Tuned!

- 💬 Comments are your best friend for clean code.
- 🔔 Stay tuned for more such real-life coding tips to improve your Python skills!
- 💡 Save this post and make your code speak clearly!

