

Chapter 3: Comments

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4:30 PM

1. Python Comments?

In coding, comments are pieces of text that you add to your code to provide explanations or notes for yourself or other programmers. Comments are not executed as part of the program; instead, they are there to help you and others understand the code.

In simple terms, comments are like little messages or reminders within your code that explain what's happening, why you did something a certain way, or provide any other useful information. They make your code more readable and easier to maintain. When the program runs, the computer ignores comments and only executes the actual code.

2. Types of Comments

- Single Line Comment (#)
- Multi-line Comment (''' --- ''')

3. REPL

REPL is an acronym for **Read, Evaluate, Print, and Loop**. Developers use REPL Python to communicate with the Python Interpreter.

- a. Open your terminal or command prompt.
- b. Type python and press Enter to start the Python REPL.

Now, you can enter Python code line by line, and it will be executed immediately.

```
# This is a single-line comment in Python.

# Let's define some variables:
name = "Alice" # This variable stores the name.
age = 30       # This variable stores the age.

'''
This is a multiline comment in Python.
It can span multiple lines, and it's often used for
longer explanations or documentation.
'''

# Print a greeting using the variables:
print("Hello, my name is", name, "and I am", age, "years old.")
```

Happy Coding :) , with love Randrita :)