



Assignment



1. How to Print your name like: – My name is your name.
2. What are single-line comments in Python? Give an example.
3. What is a multi-line comment in Python? Explain with an example.
4. What is the indentation in Python.
5. Explain the rules for naming variables in Python.
6. What are valid and invalid variable names in Python? Give examples.
7. What are constants in Python?
8. Is Python case-sensitive? Explain with an example.
9. What are reserved keywords in Python? Can they be used as variable names?
10. What is a string in Python? How is it defined?
11. Explain the difference between single, double, and triple quotes in Python strings.
12. How do you access individual characters in a string? Explain using positive and negative indexing.



- 13.** What is slicing in Python? Write a code to extract a substring from a string.
- 14.** How do you concatenate two strings in Python? Give an example.
- 15.** What is string repetition in Python? Provide an example.
- 16.** How do you check if a substring exists within a string?
- 17.** How do you get the length of a string in Python?
- 18.** How can you compare two strings in Python? Explain with an example.
- 19.** What does the strip () method do in Python? Show an example.
- 20.** What is the use of the split () method in Python? Provide an example.
- 21.** What does the find () method return in Python when the substring is not found?
- 22.** What is the replace () method in Python? Explain with an example.
- 23.** How can you convert a string to uppercase or lowercase in Python?
- 24.** What does the startswith() method do in Python?



- 25.** How do you join a list of strings into a single string in Python?
- 26.** How can you count the occurrences of a substring in a string in Python?
- 27.** What does the `capitalize()` method do in Python? How is it different from `title()`?
- 28.** What are the methods `isalpha()`, `isdigit()`, and `isalnum()` used for in Python?
- 29.** What is the difference between an integer and a float in Python?
- 30.** Explain the operations you can perform with integers in Python. Provide examples for addition, subtraction, multiplication, division, and modulus.
- 31.** How to get square of any integer by taking user input?
- 32.** What is type conversion in Python? Why is it important?
- 33.** How do you convert a string to an integer in Python? What happens if the string cannot be converted?
- 34.** How do you convert an integer to a float in Python?
- 35.** What is the result of converting a float to an integer using `int()`?



- 36.** Explain how to convert a value to a string in Python using `str ()`. Provide an example with a float and an integer.
- 37.** What happens when you try to convert a non-numeric string to a float using `float ()`?