

Constants

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1 Practice for Constants

1.1 Basic Constants:

Write Python code to assign the constant value of 10 to a variable named “my_const.” Then, print the value of “my_const.”

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1.2 Changing Constants:

Is it possible to change the value of a constant once it's assigned in Python? Write a small Python program to test this.

1.3 Math with Constants:

Create a Python program that calculates the area of a square. Use a constant variable to store the length of one side, and then calculate the area ($\text{Area} = \text{side_length} * \text{side_length}$).

1.4 Constants in Expressions:

Write Python code to calculate the circumference of a circle. Use a constant variable to store the value of “pi” (approximately 3.14) and another variable for the radius. Then, use these values to calculate the circumference ($\text{Circumference} = 2 * \text{pi} * \text{radius}$).

1.5 String Constants:

Assign a constant string to a variable named “greeting” with the value “Hello, World!” Then, print the “greeting” variable.

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