

# Python Fundamental Practice Tasks

## 1) Declare and Print Values

Write a Python program to declare two integer variables and one float variable, assign them the values **10**, **15**, and **12.6**, and then print them.

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## 2) Print a String Variable

Write a Python program to declare a string variable with the value **"Python Programming"** and print it.

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## 3) Check Data Types

Write a Python program to declare three variables: an integer, a float, and a string. Assign them any values, then print the data type of each variable.

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## 4) String Length

Write a Python program to declare a string variable with the value **"Data Analysis"** and print the length of the string.

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## 5) Convert String to Uppercase

Write a Python program to declare a string variable with the value **"python"** and print the string in uppercase.

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## 6) Convert String to Lowercase

Write a Python program to declare a string variable with the value **"PYTHON"** and print the string in lowercase.

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## 7) String Concatenation

Write a Python program to declare two string variables with the values **"Data"** and **"Science"**, concatenate them with a space between, and print the result.

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## 8) Access String Characters

Write a Python program to declare a string variable with the value **"Programming"** and print the first and last characters of the string.

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## 9) Replace Text in String

Write a Python program to declare a string variable with the value **"I like Java"**, replace **"Java"** with **"Python"**, and print the updated string.

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## 10) Remove Extra Spaces

Write a Python program to declare a string variable with extra spaces at the beginning and end (for example: " Ahmed "), remove the extra spaces, and print the cleaned string.

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## 11) Slice from Start

Write a Python program to declare a string variable with the value **"PythonProgramming"** and print the first **6** characters using string slicing.

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## 12) Slice from Middle

Write a Python program to declare a string variable with the value **"DataScience"** and print the substring **"Science"** using string slicing.

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### 13) Reverse a String

Write a Python program to declare a string variable with the value "**Python**" and print the reversed string using string slicing.

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