

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.

2) Print a String Variable

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

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.

4) String Length

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

5) Convert String to Uppercase

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

6) Convert String to Lowercase

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

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.

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.

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.

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.

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.

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.

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.
