

Introduction to Java

Day 01

1. Explain what is a variable with examples
2. Write a Java program to print 'Hello' on screen and then print your name on a separate line.

Expected output:

Hello
Sanjana

3. Write a Java program to print the sum of two numbers.

Test Data:

74 + 36

Expected Output:

110

4. Write a Java program to print the area and perimeter of a circle.

Test Data:

Radius = 7.5

Expected Output

Perimeter is = 47.12388980384689

Area is = 176.71458676442586

5. Write a Java program to print the area and perimeter of a rectangle.

Test Data:

Width = 5.5 Height = 8.5

Expected Output

Area is $5.6 * 8.5 = 47.60$

Perimeter is $2 * (5.6 + 8.5) = 28.20$

6. Write a Java program to convert a given string into lowercase.

Input a String: THE QUICK BROWN FOX JUMPS OVER THE LAZY DOG.

Output String: the quick brown fox jumps over the lazy dog.

7. Write a Java program to concatenate a given string to the end of another string.

String 1: PHP Exercises and

String 2: Python Exercises

The concatenated string: PHP Exercises and Python Exercises

8. Write a Java program to check whether two String objects contain the same data.

"Stephen Edwin King" equals "Walter Winchell"? false

"Stephen Edwin King" equals "Mike Royko"? false

9. Write a Java program to compare a given string to another string, ignoring case considerations.

"Stephen Edwin King" equals "Walter Winchell"? false

"Stephen Edwin King" equals "stephen edwin king"? true

10. Write a Java program to replace a specified character with another character.

Original string: The quick brown fox jumps over the lazy dog.

New String: The quick brown fox jumps over the lazy fog.