**Practical Assignment : Open Source Software Technologies**

1. Write a Python program that prints "Hello, World!" to the screen.
2. Write a program to create a program that asks the user for their name and greets them?
3. Build a simple calculator program that performs addition based on user input.
4. Is it possible to check if a given number is even or odd using Python?
5. How would you write a Python function to generate the first n terms of the Fibonacci sequence?
6. Create a Python program that calculates the factorial of a given number.
7. Write a program that determines if a year is a leap year?
8. How do you create a Python function to check if a number is prime or not?
9. Implement a program that performs common operations on a list (e.g., sorting, reversing, appending, and slicing).
10. Write a program to reverse a string input by the user using Python?
11. Write a Python function to calculate the sum of the digits of a number.
12. Write a program to demonstrate the use of lists, tuples, and dictionaries in a Python program.
13. Create a program to convert temperatures between Celsius and Fahrenheit?
14. Write a Python program to find the largest number in a list.
15. Implement error handling for division by zero in a Python program.
16. Write a program to check if a given string is a palindrome in Python.
17. Execute following Linux Commands.
    1. Ls b) cd c) pwd d)mkdir
18. Execute following Linux Commands.
    1. Rm b) cp c) mv d) cat