

**PYTHON TEST 2**

**Exercise 1: Calculate the Multiplication and Sum of Two Numbers**

**Exercise 2: Print the Sum of a Current Number and a Previous Number**

**Exercise 3: Print Characters Present at an Even Index Number**

**Exercise 4: Remove First n Characters from a String**

**Exercise 5: Check if the First and Last Numbers of a List are the Same**

**Exercise 6: Display Numbers Divisible by 5**

**Exercise 7: Find the Number of Occurrences of a Substring in a String**

1. Write a program to print “Hello, World!” on the screen.

2. Write a program to add two numbers and display the sum.

3. Write a program to find the largest of three numbers.

4. Write a program to check whether a given number is even or odd.

5. Write a program to find the sum of all the numbers in a list.

6. Write a program to print the Fibonacci series up to a given number.

7. Write a program to convert Celsius to Fahrenheit.

8. Write a program to find the factorial of a number.

9. Write a program to check whether a given number is prime or not.

10. Write a program to find the GCD of two numbers.

11. Write a program to reverse a string.

12. Write a program to find the sum of the digits of a given number.

13. Write a program to check whether a given string is a palindrome or not.

14. Write a program to find the area of a rectangle.

15. Write a program to find the area of a circle.

1. Write a program to find the second largest element in an array.

2. Write a program to sort a list of elements in ascending order.

3. Write a program to remove duplicates from a list.

4. Write a program to find the common elements between two lists.

5. Write a program to find the factorial of a number using recursion.

6. Write a program to find the LCM of two numbers.

7. Write a program to implement binary search.

8. Write a program to implement selection sort.

9. Write a program to implement merge sort.

10. Write a program to implement quick sort.

11. Write a program to find the sum of all the prime numbers between two given numbers.

12. Write a program to find the sum of all the even numbers between two given numbers.

13. Write a program to find the sum of all the odd numbers between two given numbers.

14. Write a program to find the square root of a number using the Newton-Raphson method.

15. Write a program to find the power of a number using recursion.