Python Function Programs List

1. Write a function to calculate the factorial of a number.

2. Write a function to check if a number is prime.

3. Write a function to find the greatest common divisor (GCD) of two numbers.

4. Write a function to calculate the power of a number using recursion.

5. Write a function to reverse a string.

6. Write a function to check if a string is a palindrome.

7. Write a function to generate Fibonacci series up to n terms.

8. Write a function to count the number of vowels in a string.

9. Write a function to find the maximum number in a list.

10. Write a function to find the sum of elements in a list.

11. Write a function to check if a number is even or odd.

12. Write a function to convert Celsius to Fahrenheit.

13. Write a function to find the length of a list without using len().

14. Write a function that returns the square of each element in a list.

15. Write a recursive function to calculate the sum of first n natural numbers.

16. Write a function to merge two dictionaries.

17. Write a function to return the unique elements from a list.

18. Write a function to calculate the area of a circle given its radius.

19. Write a function to remove all punctuations from a string.

20. Write a function to calculate LCM of two numbers.