

1. Write a function that calculates the area and perimeter of a rectangle given its length and width as parameters.
2. Create a function that takes an integer as input and returns "Even" if it's even and "Odd" if it's odd.
3. Define a function that takes a string as input and returns the reverse of that string.
4. Write a function that takes three numbers as input and returns the maximum of the three.
5. Create a function that calculates the factorial of a given positive integer.
6. Define a function that checks whether a given string is a palindrome (reads the same backward as forward).
7. Write a function that counts the number of vowels in a given string.
8. Create a function that takes two numbers as input, a base and an exponent, and returns the result of the base raised to the exponent.
9. Define a function that takes a list of numbers as input and returns the sum of all the numbers in the list.
10. Write a function to generate the Fibonacci series up to a given number of terms.
11. Create a function that checks if a given number is prime.
12. Define a function that calculates the square root of a positive number using the Newton-Raphson method.
13. Write a function that takes a string as input and returns the same string with all its letters capitalized.
14. Create a function that calculates the average of a list of numbers.
15. Define a function that checks if a given year is a leap year.
16. Write a function that takes a list as input and returns a new list containing only the unique elements.
17. Create a function that takes a positive integer as input and returns a list of its factors.
18. Define a function that counts the number of words in a given sentence.
19. Write a function that finds the longest word in a given sentence.
20. Create a function that calculates the greatest common divisor (GCD) and least common multiple (LCM) of two numbers.
21. What is the purpose of using functions in a program?
22. What is the return statement used for in a function?

- 23. Can a function have multiple return statements?
- 24. What is the difference between a built-in function and a user-defined function?
- 25. what is the difference between local variable and global variable?
- 26. What happens if a return statement is missing in a function?
- 27. How can you import and use functions from another Python file