

## Function Topic

1. **Even or Odd Checker**

Write a function that takes a number as input and returns whether it is even or odd.

2. **Maximum of Three Numbers**

Create a function that accepts three numbers and returns the largest.

3. **Simple Calculator**

Write a function that accepts two numbers and an operator (+, -, \*, /) and performs the operation.

4. **Palindrome Checker**

Write a function to check if a given string is a palindrome (reads the same backward).

5. **Count Vowels in a String**

Write a function that counts the number of vowels in a given string.

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6. **Factorial Calculator**

Create a function that returns the factorial of a given number.

7. **Fibonacci Sequence Generator**

Write a function that generates the first N terms of the Fibonacci sequence.

8. **Prime Number Checker**

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

9. **List Sum and Average**

Create a function that accepts a list of numbers and returns the sum and average.

10. **Find Grade from Percentage**

Write a function that takes marks of 3 subjects, calculates the average, and returns the grade based on the percentage.

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11. **Password Validator**

Write a function that checks if a password meets the following conditions:

- At least 8 characters
- Contains uppercase, lowercase, number, and symbol

12. **Number of Words in a Sentence**

Create a function that counts how many words are in a given sentence.

13. **Reverse Each Word**

Write a function that reverses each word in a sentence while keeping their order.

14. **Leap Year Checker**

Create a function that checks whether a year is a leap year or not.

15. **Multiplication Table**

Write a function that prints the multiplication table of a given number.