

**1. Sum of Two Numbers:** Write a program that takes two numbers from the user and calculates their sum.

Console Output:

```
Enter two numbers:
3
5
Sum: 8
```

**2. Counter:** Write a program that prints the numbers from 1 to 10 in sequence.

Console Output:

```
1
2
3
4
5
6
7
8
9
10
```

**3. Sum of List Elements:** Write a program that calculates the sum of numbers in a list entered by the user.

Console Output:

```
Enter a list of numbers (comma-separated):
2, 4, 6, 8, 10
Sum: 30
```

**4. Factorial Calculation:** Write a program that calculates the factorial of a number entered by the user.

Console Output:

```
Enter a number:
6
Factorial: 720
```

**5. Fibonacci Series:** Write a program that displays the Fibonacci series up to a number entered by the user.

Console Output:

```
Enter a number:
8
Fibonacci Series: [0, 1, 1, 2, 3, 5, 8, 13]
```

**6. Generating a Square Matrix:** Write a program that generates a square matrix based on a number entered by the user.

Console Output:

```
Enter a number:
4
Matrix:
[1 2 3 4;
 2 4 6 8;
 3 6 9 12;
 4 8 12 16]
```

**7. Finding Perfect Numbers:** Write a program that finds perfect numbers up to a number entered by the user. Perfect numbers are numbers whose sum of divisors (excluding the number itself) equals the number.

Console Output:

```
Enter a number:
10000
Perfect Numbers: [6, 28, 496, 8128]
```

**8. Computing the Greatest Common Divisor (GCD):** Write a program that calculates the greatest common divisor of two numbers entered by the user.

Console Output:

```
Enter two numbers:
24
36
GCD: 12
```

**9. Word Count:** Write a program that counts the number of words in a text entered by the user.

Console Output:

```
Enter a text:  
This is a sample text.  
Word Count: 5
```

**10. Simple Calculator:** Write a program that performs the four basic mathematical operations (addition, subtraction, multiplication, division) on two numbers entered by the user.

Console Output:

```
Enter two numbers:  
10  
5  
Select an operation: (+, -, *, /)  
*  
Result: 50.0
```