

Assignment No 2

1. Using `if` statement

Write a Python program to **add two numbers only if both numbers are positive.**

2. Using `if-else` statement

Write a Python program to **find the maximum of two numbers using an if-else control structure.**

3. Using `for` loop

Write a Python program to **compute the factorial of a given number using a for loop.**

4. Using `if-elif-else` statement

Write a Python program to **calculate Simple Interest**, where different interest rates are applied using `if-elif-else` based on the time period.

5. Using `while` loop and `if` condition

Write a Python program to **check whether a given number is an Armstrong number using a while loop.**

6. Using `if` condition

Write a Python program to **find the area of a circle only if the radius is greater than zero.**

7. Using `for` loop and `range()` function

Write a Python program to **print all prime numbers within a given interval using a for loop and range() .**
