

# Assignment No 2

1. **Using `if` statement**

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

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2. **Using `if-else` statement**

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

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3. **Using `for` loop**

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

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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.

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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**.

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6. **Using `if` condition**

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

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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()`**.

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