

Assignment 1

1. Multiplication Table

- Write a program to read a number from the user and print its multiplication table in the format below:

```
Example:  
Enter a number: 3  
Output:  
3 x 1 = 3  
3 x 2 = 6  
...  
3 x 10 = 30
```

2. Factorial Calculation

- Write a program to read a number from the user and print the factorial of that number.

```
Example:  
Enter a number: 5  
Output:  
5! = 5 * 4 * 3 * 2 * 1 = 120
```

3. Prime Number Check

- Write a program to read a number from the user and print whether it is a prime number or not.

```
Example:  
Enter a number: 7  
Output:  
7 is a prime number.
```