Function

1. Write a Python function to find the Max of three numbers.

```python
def max_of_two(x, y):
    if x > y:
        return x
    return y

def max_of_three( x, y, z ):
    return max_of_two( x, max_of_two( y, z ) )

print(max_of_three(3, 6, -5))
```

2. Write a Python function to check whether a number is in a given range.

```python
def test_range(n):
    if n in range(3,9):
        print( " %s is in the range"%str(n))
    else :
        print("The number is outside the given range.")
test_range(5)
```

3. Write a Python function to calculate the factorial of a number (a non-negative integer). The function accepts the number as an argument.

```python
def factorial(num):
    fact = 1
    for i in range(1, num + 1):
        fact *= i
    return fact

n = int(input("Enter number: "))
print(factorial(n))
```