Factorial of a number

```
I/p: n = 4

O/p: 24

I/p: n = 6

O/p: 720

I/p: n = 0

O/p: 1
```

```
Iterative Implementation
def fact(n):
    res = 1
    for i in range(2, n + 1):
        res = res * i
    return res

number = 5
print(fact(number))
```

```
Recursive Implementation

def fact(n):

    if n == 0:
        return 1
    return n * fact(n - 1)

number = 5
print(fact(number))
```