

```
#program to demonstrate recursive operation factorial
```

```
def factorial (n):
```

```
    if n==1:
```

```
        return n
```

```
    else:
```

```
        return n* factorial(n-1)
```

```
num=int(input("Enter n value:"))
```

```
if num<0:
```

```
    print("the function does not exit for negative number")
```

```
elif num==0:
```

```
    print("factorial of 0 is :1")
```

```
else:
```

```
    print("factorial of number is ", factorial(num))
```

```
*****OUTPUT*****
```

```
*****
```

```
Enter n value:0
```

```
factorial of 0 is :1
```

```
Enter n value:10
```

```
factorial of number is  3628800
```