



```
# 1.1 Implement a recursive function to  
calculate the factorial of a given number.
```

```
"""
```

```
1! = 1
```

```
2! = 2 * 1! ---> 2
```

```
3! = 3 * 2! ---> 3 * 2 * 1
```

```
.
```

```
.
```

```
10! = 10
```

```
"""
```

```
def fact_rec(n):
```

```
    if n==0 or n==1:
```

```
        return 1
```

```
    else:
```

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

```
number = int(input("Enter a value :"))
```

```
res = fact_rec(number)
```

```
print("The factorial of {} is {}".format(number,res))
```