

```
# Factorial of a number using recursion
```

```
def recur_factorial(n):
```

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

```
        return n
```

```
else:
```

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

```
num = 8
```

```
# check if the number is negative
```

```
if num
```

```
< 0:
```

```
    print("Sorry, factorial does not exist for negative numbers")
```

```
elif num ==
```

```
0:
```

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

```
else:
```

```
    print("The factorial of",
```

```
num, "is", recur_factorial(num))
```