

## 4. Python program to find the factorial of a number using recursion

```
def fact(n):  
    if n==1:  
        f=1  
    else:  
        f = n * fact(n-1)  
    return f  
  
num = int(input("Enter an integer: "))  
result = fact(num)  
print("The factorial of", num, " is: ", result)
```

### Output :

Enter an integer:

5

The factorial of 5 is: 120