

1.program to print different pattern.

```
In [36]: n=int(input("Enter n: "))
for i in range(1,n+1):
    for j in range(i):
        print("*",end=" ")
    print()
```

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```

2.program to find factorial of number.

```
In [17]: def fact(n):
        if n<=1:
            return 1
        else:
            return n*fact(n-1)
        return result

n=int(input("Enter number"))
print("The factorial of",n, "is: ",fact(n))
```

The factorial of 5 is: 120

In []: