

1. Program to find different pattern.

pattern 1:

```
In [4]: rows = int(input("Enter the number of rows: "))
        for i in range(1,rows+1):
            for j in range(i):
                print("*", end="")
            print()
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pattern 2:

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In [16]: def fullpyramid(n):
        for i in range(1,n+1):
            for j in range(n-1):
                print(" ", end="")
            for k in range(1,2*i):
                print("*" ,end="")
            print()
        rows = int(input("Enter the number of rows: "))
        fullpyramid(rows)
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2. program to find factorial of a number.

```
In [3]: def fact(n):
        if n==0:
            return 1
        return n*fact(n-1)
        n=int(input("Enter the value of n: "))
        print(fact(n))
```

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