

## program to print different patterns

```
[57]: n=int(input("enter the number"))
      for i in range(n+1):
          for j in range(n+1):
              if i==0 or i==n or j==0 or j==n :
                  print("*",end=" ")
              else:
                  print(" ",end=" ")
          print()
```

```
enter the number 5
* * * * *
*       *
*       *
*       *
*       *
*       *
* * * * *
```

## program to find factorial of the number

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

      a=int(input("enter the number:"))
      print("factorial of the number is :",fact(a))
```

```
enter the number: 6
factorial of the number is : 720
```

[ ]: