



Learn Complete Python In Simple Way

Topic: Python Pattern Programs



Pattern-1: To print given number of *s in a row

test.py

```
1) n=int(input('Enter n value:'))  
2) for i in range(n):  
3)     print('*',end=' ')
```

Output:

Enter n value:5

* * * * *

Pattern-2: To print square pattern with * symbols

test.py

```
1) n=int(input('Enter No Of Rows:'))  
2) for i in range(n):  
3)     print('* '*n)
```

Output:

Enter No Of Rows:5

* * * * *

* * * * *

* * * * *

* * * * *

* * * * *

Pattern-3: To print square pattern with provided fixed digit in every row

test.py

```
1) n=int(input('Enter No Of Rows:'))  
2) for i in range(n):  
3)     print((str(i+1)+' ')*n)
```



Output:

Enter No Of Rows:5

1 1 1 1 1

2 2 2 2 2

3 3 3 3 3

4 4 4 4 4

5 5 5 5 5

Pattern-4: To print square pattern with alphabet symbols

test.py

```
1) n=int(input('Enter No Of Rows:'))
2) for i in range(n):
3)     print((chr(65+i)+' ')*n)
```

Output:

Enter No Of Rows:5

A A A A A

B B B B B

C C C C C

D D D D D

E E E E E

Pattern-5: To print Right Angle Triangle pattern with * symbols

test.py

```
1) n=int(input('Enter No Of Rows:'))
2) for i in range(n):
3)     for j in range(i+1):
4)         print('*',end=' ')
5)     print()
```

Output:

Enter No Of Rows:5

*

* *

* * *



* * * *

Pattern-6: To print Inverted Right Angle Triangle pattern with * symbols

test.py

```
1) n=int(input('Enter No Of Rows:'))
2) for i in range(n):
3)     print('*'*(n-i))
```

Output:

Enter No Of Rows:5

```
* * * * *
* * * *
* * *
* *
*
```

Pattern-7: To print Pyramid pattern with * symbols

test.py

```
1) n=int(input('Enter Number of rows:'))
2) for i in range(n):# 0,1,2,3
3)     print(' '* (n-i-1)) + ('* ')*(i+1))
```

Output:

Enter number of rows:5

```
      *
     * *
    * * *
   * * * *
  * * * * *
```



Pattern-8: To print Inverted Pyramid Pattern with * symbols

test.py

```
1) n=int(input('Enter Number of Rows:'))
2) for i in range(n): #0,1,2,3
3)     print(' '*i+'*(n-i))
```

Output:

Enter Number of Rows:5

```
* * * * *
* * * *
* * *
* *
*
```

Pattern-9: To print Diamond Pattern with * symbols

test.py

```
1) n=int(input('Enter n Value:'))
2) for i in range(n):#0,1,2,3
3)     print(' '*(n-i-1)+'* '*(i+1))
4) for i in range(n-1):#0,1,2
5)     print(' '*(i+1)+'* '*(n-i-1))
```

Output:

Enter n Value:5

```
      *
     * *
    * * *
   * * * *
  * * * * *
 * * * * *
* * * *
 * * *
  * *
   *
```