

Python Programs to Print Different Patterns

1. Half Pyramid of Stars (*)

```
for i in range(5):  
    for j in range(i + 1):  
        print("*", end = "")  
    print()
```

Output:

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



2] Full Pyramid of Stars (*)

```
for i in range(5):  
    for s in range(-6, -i):  
        print(" ", end = "")  
    for j in range(i + 1):  
        print("*", end = "")  
    print()
```

Output:

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

3] Inverted Half Pyramid of Stars (*)

```
for i in range(5):  
    for j in range(i, 5):  
        print("*", end = "")  
    print()
```

Output:

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



8] Inverted Half Pyramid of Numbers

```
decr = 8
for i in range(5):
    count = 0
    for k in range(decr):
        print(end = " ")
    decr = decr - 2
    for j in range(i+1):
        count = count + 1
    num = count
    for j in range(i+1):
        print(num, end = " ")
    num = num - 1
    print()
```

Output:

```
      1
     2 1
    3 2 1
   4 3 2 1
  5 4 3 2 1
```



4] Inverted Full Pyramid of Stars (*)

```
for i in range(5):  
    for s in range(i):  
        print(" ", end = "")  
    for j in range(i, 5):  
        print("* ", end = "")  
    print()
```

Output:

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

5] Print Pattern of Numbers

```
num = 1  
for i in range(5):  
    for j in range(i+1):  
        print(num, end = " ")  
        num = num + 1  
    print()
```

Output:

```
1  
2 3  
4 5 6  
7 8 9 10  
11 12 13 14
```



6] Print Pattern 1 12 123

```
num = 1
for i in range(5):
    for j in range(i+1):
        print(num, end=" ")
        num = num + 1
    num = 1
    print()
```

Output:

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

7] Print 12345 1234 123 12 1

```
for i in range(5):
    num = 1
    for j in range(5, i, -1):
        print(num, end=" ")
        num = num + 1
    print()
```

Output:

```
1 2 3 4 5
1 2 3 4
1 2 3
1 2
1
```