

---

# Topics: Loops in Python

Write a Python Programs to print below Pattern:

1.

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

2.

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

3.

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

4.

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```

5.

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

6.

```
1  
2 3  
4 5 6  
7 8 9 10  
11 12 13 14 15
```

7. Pascal's Triangle

```
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
```

8.

```
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
```

9.

```
A      [Use ASCII Values]
B B
C C C
D D D D
E E E E E
```

10.

```
A
B C
D E F
G H I J
K L M N O
```

11.

```
K
K K
K K K
K K K K
K K K K K
```

12.

```
A
A B
A B C
A B C D
A B C D E
```

13.

P  
Py  
Pyt  
Pyth  
Pytho  
Python

14.

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

15.

6 6 6 6 6 6  
5 5 5 5 5  
4 4 4 4  
3 3 3  
2 2  
1

16.

0 1 2 3 4 5  
0 1 2 3 4  
0 1 2 3  
0 1 2  
0 1

17.

1  
2 3 4  
5 6 7 8 9

18.

6 5 4 3 2 1  
5 4 3 2 1  
4 3 2 1  
3 2 1  
2 1  
1

19.

1  
3 3  
5 5 5  
7 7 7 7  
9 9 9 9 9

20.

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

21.

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

22.

1  
2 4  
3 6 9  
4 8 12 16  
5 10 15 20 25  
6 12 18 24 30 36  
7 14 21 28 35 42 49

23.

1  
2 1  
4 2 1  
8 4 2 1  
16 8 4 2 1  
32 16 8 4 2 1  
64 32 16 8 4 2 1  
128 64 32 16 8 4 2 1

24.

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```

25.

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```