

11-11-2025 PATTERNS

PRINTING PATTERN IN PYTHON

```
In [1]: print('# # # #')
print('# # # #')
print('# # # #')
print('# # # #')
```

```
# # # #
# # # #
# # # #
# # # #
```

```
In [2]: for i in range(1,5):
    i=i+1
    print('# # # #')
```

```
# # # #
# # # #
# # # #
# # # #
```

```
In [3]: for i in range(1,5):
    if i<=5:
        print('# # # #')
```

```
# # # #
# # # #
# # # #
# # # #
```

```
In [4]: for j in range(4):
    print('#')
```

```
#
#
#
#
```

```
In [5]: for j in range(4):
    print('# # # #')
```

```
# # # #
# # # #
# # # #
# # # #
```

```
In [7]: for j in range(4):
    print('#',end = " ")
```

```
# # # #
```

```
In [12]: for j in range(4):  
    print('#',end=" ")  
  
    print()  
  
for j in range(4):  
    print('#',end=" ")  
  
# # # #  
# # # #
```

```
In [14]: for j in range(4):  
    print('#',end=" ")  
  
    print()  
  
for j in range(4):  
    print('#',end=" ")  
  
    print()  
  
for j in range(4):  
    print('#',end=" ")  
  
    print()  
  
for j in range(4):  
    print('#',end=" ")  
  
# # # #  
# # # #  
# # # #  
# # # #
```

```
In [18]: for i in range(4):  
    for j in range(4):  
        print('#',end=" ")  
    print()  
  
# # # #  
# # # #  
# # # #  
# # # #
```

```
In [19]: for i in range(4):  
    for j in range(i+1):  
        print('#', end = " ")  
    print()  
  
#  
# #  
# # #  
# # # #
```

```
In [20]: for i in range(1,5):  
    print("# "*i)
```

```
#  
# #  
# # #  
# # # #
```

```
In [21]: for i in range(1,5):  
    for j in range(4):  
        if i>j:  
            print("#",end=" ")  
    print()
```

```
#  
# #  
# # #  
# # # #
```

```
In [22]: list(range(5))
```

```
Out[22]: [0, 1, 2, 3, 4]
```

```
In [23]: for i in range(4):  
    for j in range(i):  
        print('#',end=" ")  
    print()
```

```
#  
# #  
# # #
```

```
In [24]: for i in range(4):  
    for j in range(i+1):  
        print('#',end=" ")  
    print()
```

```
#  
# #  
# # #  
# # # #
```

```
In [25]: for i in range(4):  
    for j in range(4-i):  
        print('#',end=" ")  
    print()
```

```
# # # #  
# # #  
# #  
#
```

```
In [26]: for i in range(1,5):  
    print("# "* (5-i))
```

```
# # # #  
# # #  
# #  
#
```

Python Pattern document

In [27]: #1.Right Angle Triangle Pattern

```
for i in range(1,6):
    print(' * ' *i)

*
*
*
*
*
*
```

In [28]: #2.Inverted Right Angle Triangle Pattern

```
for i in range(5,0,-1):
    print(' * ' *i)

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

In [29]: #3.Pyramid Pattern

```
for i in range (1,6):
    print(' *(' + str(5-i) + ' * ' + str(2*i-1))

*
*
*
*
*
*
*
```

In [30]: #4.Inverted Pyramid Pattern

```
for i in range (5,0,-1):
    print(' *(' + str(5-i) + ' * ' + str(2*i-1))

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

In [31]: #5.Diamond Pattern

```
for i in range(1,6):
    print(' *(' + str(5-i) + ' * ' + str(2*i-1))
for i in range(4,0,-1):
    print(' *(' + str(5-i) + ' * ' + str(2*i-1))
```

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

In [32]: #6.Hallow Square Pattern

```
for i in range(5):  
    for j in range(5):  
        if i==0 or i==4 or j==0 or j==4:  
            print('*',end=' ')  
        else:  
            print(' ',end=' ')  
    print()
```

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

In [33]: #7.Full Square Pattern

```
for i in range(5):  
    print('*'*5)
```

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

In []: