

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('# # # #')
```

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

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

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

```
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('*(5-i)+' * '*(2*i-1))
```

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

In [30]: *#4.Inverted Pyramid Pattern*

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

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

In [31]: *#5.Diamond Pattern*

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

```

```

* * * * *
* * * * *
* * * * *
* * * * *
* * * * *

```

In []: