

## pattern

```
"""  
12345  
12345  
12345  
12345  
"""
```

```
for i in range(1,6):  
    for j in range(1,6):  
        print(j,end=" ")  
    print()
```

```
"""  
11111  
22222  
33333  
44444  
55555  
"""
```

```
for i in range(1,6):  
    for j in range(1,6):  
        print(i,end=" ")  
    print()
```

```
"""  
*****  
*****  
*****  
*****  
*****  
"""
```

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

```
"""  
1  
12  
123  
1234  
12345  
"""
```

```
for i in range(1,6):  
    for j in range(1,i+1):
```

pattern

```
    print(j,end=" ")
print()
```

```
"""
```

```
1
22
333
4444
55555
"""
```

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

```
"""
```

```
*
**
***
****
*****
"""
```

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

```
"""
```

```
54321
5432
543
54
5
"""
```

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

```
"""
```

```
55555
44444
```

## pattern

333

22

1

"""

```
for i in range(5,0,-1):
    for j in range(1,i+1):
        print(i,end=" ")
    print()
```

"""

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\*\*\*\*

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\*\*

\*

"""

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

"""

1

12

123

1234

12345

"""

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

"""

1

22

333

4444

55555

"""

```
for i in range(1,6):
    for k in range(5,i,-1):
```

pattern

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

```
"""
```

```
    *
```

```
    **
```

```
    ***
```

```
    ****
```

```
    *****
```

```
"""
```

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

```
"""
```

```
5
```

```
54
```

```
543
```

```
5432
```

```
54321
```

```
"""
```

```
for i in range(5,0,-1):
    for j in range(5,i-1,-1):
        print(j,end=" ")
    print()
```

```
"""
```

```
5
```

```
44
```

```
333
```

```
2222
```

```
11111
```

```
"""
```

```
for i in range(5,0,-1):
    for j in range(5,i-1,-1):
        print(i,end=" ")
    print()
```

## pattern

```
"""
    1
   22
  3333
 4444444
555555555
"""
```

```
for i in range(1,6):
    for k in range(5,i,-1):
        print(" ",end=" ")
    for j in range(1,2*i):
        print(i,end=" ")
    print()
```

```
"""
        *
      * * *
    * * * * *
  * * * * * * *
* * * * * * * * *
"""
```

```
for i in range(1,6):
    for k in range(5,i,-1):
        print(" ",end=" ")
    for j in range(1,2*i):
        print("*",end=" ")
    print()
```

```
"""
12345
 1234
   123
    12
     1
"""
```

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

```
"""
```

## pattern

```
55555
4444
333
22
1
```

```
"""
```

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

```
"""
```

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

```
"""
```

```
for i in range(5,0,-1):
    for k in range(5,i,-1):
        print(" ",end=" ")
    for j in range(1,i+1):
        print("*",end=" ")
    print()
```

```
"""
```

```

      1
    1 2 1
  1 2 3 2 1
1 2 3 4 3 2 1
1 2 3 4 5 4 3 2 1
1 2 3 4 5 6 5 4 3 2 1
1 2 3 4 5 6 7 6 5 4 3 2 1
1 2 3 4 5 6 7 8 7 6 5 4 3 2 1
1 2 3 4 5 6 7 8 9 8 7 6 5 4 3 2 1
```

```
"""
```

```
for i in range(1,10):
    for k in range(9,i,-1):
        print(" ",end=" ")
    for j in range(i-1,-i,-1):
        print(i-abs(j),end=" ")
```

pattern

print()

"""

```

        1
      1 2
    1 2 3
  1 2 3 4
1 2 3 4 5
1 2 3 4 5 6
1 2 3 4 5 6 7
1 2 3 4 5 6 7 8
1 2 3 4 5 6 7 8 9
"""
```

```
for i in range(1,10):
    for k in range(9,i,-1):
        print(" ",end=" ")
    for j in range(1,i+1):
        print(str(j)+" ",end=" ")
    print()
```

"""

```

    *
  * *
* * *
* * * *
* * * * *
* * * * *
"""
```

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

"""

```
* * * * *
 * * * * *
  * * * *
   * * *
    *
"""
```

```
for i in range(5,0,-1):
    for k in range(5,i,-1):
```

pattern

```
    print(" ",end=" ")
for j in range(1,2*i):
    print("*",end=" ")
print()
```

"""

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

"""

```
for i in range(1,6):
    for k in range(5,i,-1):
        print(" ",end=" ")
    for j in range(1,2*i):
        print("*",end=" ")
    print()
for i in range(4,0,-1):
    for k in range(5,i,-1):
        print(" ",end=" ")
    for j in range(1,2*i):
        print("*",end=" ")
    print()
```