

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

1  
12  
123  
1234  
12345

```
#2
for i in range(1,6,1):
    for j in range(1,i+1):
        print(i,end='')
    print()
```

1  
22  
333  
4444  
55555

```
#3
for i in range(1,6):
    for j in range(1,i+1):
        print(j,end='')
    print()

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

1  
12  
123  
1234  
12345  
1234  
123  
12

1

```
#4
for i in range(6,0,-1):
    for j in range(1,i):
        print(j,end='')
    print()
for i in range(1,6):
    for j in range(1,i+1):
        print(j,end='')
    print()
```

12345

1234

123

12

1

1

12

123

1234

12345

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

54321

5432

543

54

5

```
#8
for i in range(5,0,-1):
    for j in range(5,i-1,-1):
        print(j,end=' ')
    print()
```

5

5 4

5 4 3

5 4 3 2  
5 4 3 2 1

```
#9
for i in range(6,0,-1):
    for j in range(1,i):
        print(j,end=' ')
    print()
```

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

```
#10
k=1
for i in range(1,6):
    for j in range(1,i+1):
        print(k,end=' ')
        k+=1
    print()
```

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

```
#11
for i in range(1,6):
    for j in range(i,0,-1):
        print(j,end=' ')
    print()
```

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

```
#12
for i in range(1,5+1):
    for j in range(1,i+1):
        print(i,end=' ')
```

```
    i+=5
print()
```

```
1
2 7
3 8 13
4 9 14 19
5 10 15 20 25
```

```
#14
for i in range(1,6):
    for j in range(1,i+1):
        print(j,end=' ')
    for j in range(i-1,0,-1):
        print(j,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
```

```
#15
for i in range(6,0,-1):
    print(" "*(5-i),end='')
    for j in range(1,i):
        print(j,end=' ')
    print()
```

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

```
#16
for i in range(1,6):
    print(" "*(5-i),end='')
    for j in range(1,i+1):
        print(j,end=' ')
    print()
for i in range(5,0,-1):
    print(" "*(6-i),end='')
    for j in range(1,i):
        print(j,end=' ')
    print()
```

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

```
#17#18
for i in range(1,6):
    print(" "*(i-1),end=' ')
    for j in range(i,6):
        print(j,end=' ')
    print()

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

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

```
#19
for i in range(5,0,-1):
```

```

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

```

```

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

```

#20

```

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

    for j in range(i-1,0,-1):
        print(j,end='')

    print()

```

```

1
121
12321
1234321
123454321

```

#21

```

for i in range(1,6):
    for j in range(1,i+1):
        print(j%2,end=' ')

    print()

```

```

1
1 0
1 0 1
1 0 1 0
1 0 1 0 1

```

#22

```

for i in range(1,6):

```

```

for j in range(1,6):
    if i==j:
        print(j,end='')
    else:
        print("0",end='')
print()

```

10000  
02000  
00300  
00040  
00005

```

#23
for i in range(1,6):
    print("1"*(5-i),end='')
    for j in range(1,i+1):
        print(i,end='')
    print()

```

11111  
11122  
11333  
14444  
55555

```

#24
for i in range(1,6):
    for j in range(i,6):
        print(j,end='')
    for j in range(i,j):
        print(j,end='')

    print()
    #for j in range

```

123451234  
2345234  
34534  
454  
5

```

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

```

```
print()
```

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

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

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

```
for i in range(1,6):
    n=1
    for j in range(i,0,-1):
        if j>6:
            print("",end='')
        else:
            print(n,end=' ')
        n+=1
    #for k in range(0,i+1):
    #    print("*",end=' ')
    print()
```

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

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

    print()
```



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

```
for i in range(5,0,-1):
    print(" "*(6-i),end=' ')
    for j in range(1,i+1):
        #print(" "*(6-j),end=' ')
        print("*",end=' ')

    print()
```

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

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

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

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

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

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

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

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