

```
In [4]: for i in range(1,5):
        for j in range(1,i+1):
            print(j,end="")
        print("",end="\n")
```

1
12
123
1234

```
In [8]: for i in range(1,5):
        for j in range(1,5):
            print(j,end="")
        print("",end="\n")
```

1234
1234
1234
1234

```
In [13]: for i in range(0,6):
        for j in range(0,i+1):
            print(chr(65+j), end="")
        print()
```

A
AB
ABC
ABCD
ABCDE
ABCDEF

```
In [16]: for i in range(0,6):
        for j in range(0,i+1):
            print(chr(65+i), end="")
        print()
```

A
BB
CCC
DDDD
EEEE
FFFFFF

```
In [19]: for i in range(0,6):
        for j in range(0,j+1):
            print(chr(65+i), end="")
        print()
```

AAAAAA
BBBBBB
CCCCCC
DDDDDD
EEEEEE
FFFFFF

```
In [28]: for i in range(0,6):
        for j in range(0,i+1):
            print(chr(65+j), end="")
        print()
```

A
AB
ABC
ABCD
ABCDE
ABCDEF

```
In [43]: a = 1
         for i in range(1, 4):
             for j in range(0,i):
                 print(a, end="")
                 a += 1
             print()
```

1
23
456

```
In [49]: a = 1
         for i in range(1, 4):
             for j in range(i):
                 print(chr(64+a), end="")
                 a += 1
             print()
```

A
BC
DEF

```
In [56]: a = 1
         for i in range(1, 4):
             for j in range(i):
                 print(i,end="")
                 print(chr(96+a), end="")
                 a += 1
             print()
```

1a
2b2c
3d3e3f

```
In [60]: a = 1
         for i in range(1, 4):
             for j in range(i):
                 print(chr(91-a), end="")
                 a += 1
             print()
```

Z
YX
WVU

```
In [65]: a = 10
         for i in range(1, 4):
             for j in range(0,i):
                 print(a , end=" ")
                 a -= 1
             print()
```

```
10
9 8
7 6 5
```

```
In [74]: for i in range(1,5):
          for j in range(1,5):
              if j == 1 or j == i or i == 4:
                  print("*", end="")
              else:
                  print(" ", end="")
          print()
```

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

```
In [ ]:
```