



+ Code + Text



Editing



Numbers

```
[ ] # Example - 1
    for i in range(6, 1, -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
```

```
[ ] # Example - 2
    for i in range(1, 6):
        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
```

```
[ ] # Example - 3
    for i in range(5, 0, -1):
        for j in range(i, 0, -1):
            print(j, end=" ")
        print()
```

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

```
[ ] # Example - 4
    for i in range(0, 5):
        for j in range(5, i, -1):
            print(j, end=" ")
        print()
```

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

```
[ ] # Example - 5
    for i in range(2, 7):
        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
```

```
[ ] # Example - 6
    for i in range(5, 0, -1):
        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
```

```
[ ] # Example - 7
    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
```

```
[ ] # Example - 8
    for i in range(4, -1, -1):
        for j in range(5, i, -1):
            print(j, end=" ")
        print()
```

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

```
[ ] # Example - 9
    for i in range(1, 6):
        for j in range(0, i):
            print(i, end=" ")
        print()
```

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

```
[ ] # Example - 10
    for i in range(5, 0, -1):
        for j in range(i, 6):
            print(i, end=" ")
        print()
```

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

```
[ ] # Example - 11
for i in range(5, 0, -1):
    for j in range(0, i):
        print(i, end=" ")
    print()
```

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

```
[ ] # Example - 12
for i in range(1, 6):
    for j in range(i, 6):
        print(i, end=" ")
    print()
```

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

```
[ ] # Example - 13
for i in range(5, 0, -1):
    if(i%2 == 0):
        for j in range(i, 0, -1):
            print(j, end=" ")
    else:
        for k in range(1, i+1):
            print(k, end=" ")
    print()
```

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

```
[ ] # Example - 14
for i in range(8, 0, -2):
    for j in range(1, i):
        print(j, end=" ")
    print()
```

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

```
[ ] # Example - 15
for i in range(1, 6):
    for j in range(i, i+i):
        print(j%2, end=" ")
    print()
```

```
1
0 1
1 0 1
0 1 0 1
1 0 1 0 1
```

```
[ ] # Example - 16
    for i in range(2, 7):
        for j in range(1, i):
            print(j%2, end=" ")
        print()
```

```
1
1 0
1 0 1
1 0 1 0
1 0 1 0 1
```

```
[ ] # Example - 17
    for i in range(1, 10, 2):
        for j in range(i, 10, 2):
            print(j, end=" ")
        print()
```

```
1 3 5 7 9
3 5 7 9
5 7 9
7 9
9
```

```
[ ] # Example - 18
    for i in range(1, 6):
        if(i%2 == 0):
            for j in range(2, i+i+1, 2):
                print(j, end=" ")
        else:
            for k in range(1, i+i, 2):
                print(k, end=" ")
        print()
```

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

```
[ ] # Example - 19
    for i in range(5, 0, -1):
        for j in range(i, 6):
            print(j, end=" ")
        for k in range(1, i):
            print(5, end=" ")
        print()
```

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

```
▶ # Example - 20
k = 0
for i in range(1, 5):
    for j in range(0, i):
        k += 1;
        print(k, end=" ")
    print()
```

```
1
2 3
4 5 6
7 8 9 10
```

```
[ ] # Example - 21
for i in range(1, 6):
    print(i, end=" ")
    m = 4
    k = i + m
    for j in range(1, i):
        print(k, end=" ")
        m -= 1
        k = k + m
    print()
```

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

```
[ ] # Example - 22
for i in range(2, 11, 2):
    for j in range(1, i):
        print(j, end=" ")
    print()
```

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

```
[ ] # Example - 23
for i in range(6, 1, -1):
    for j in range(1, i):
        print(j, end=" ")
    for k in range(i, 6):
        print("**", end=" ")
    for m in range(i-1, 0, -1):
        print(m, end=" ")
    print()
```

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

```
[ ] # Example - 24
k = 0
for i in range(1, 6, 2):
    for j in range(5, 0, -1):
        if(j > i):
```

```

        print(" ", end="")
    else:
        k += 1
        print(k, end=" ")
    print()

```

```

1
2 3 4
5 6 7 8 9

```

```

[ ] # Example - 25
for i in range(1, 6):
    for j in range(i, 6):
        if(i < 4):
            print(i, end=" ")
        else:
            print(6 - i, end=" ")
    print()

```

```

1 1 1 1 1
2 2 2 2
3 3 3
2 2
1

```

```

[ ] # Example - 26
for i in range(1, 6):
    for j in range(5, 0, -1):
        if(i == j):
            print("*", end=" ")
        else:
            print(j, end=" ")
    print()

```

```

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

```

```

[ ] # Example - 27
for i in range(2, 7):
    for j in range(1, i):
        print(j, end=" ")
    for k in range(i-2, 0, -1):
        print(k, 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

```

```

[ ] # Example 28
for i in range(10, 0, -1):
    for j in range(i, 10):
        print(j, end=" ")
    print("0", end=" ")
    for k in range(9, i-1, -1):
        print(k, end=" ")

```

```

        print(k, end= " ")
    print()

```

```

0
9 0 9
8 9 0 9 8
7 8 9 0 9 8 7
6 7 8 9 0 9 8 7 6
5 6 7 8 9 0 9 8 7 6 5
4 5 6 7 8 9 0 9 8 7 6 5 4
3 4 5 6 7 8 9 0 9 8 7 6 5 4 3
2 3 4 5 6 7 8 9 0 9 8 7 6 5 4 3 2
1 2 3 4 5 6 7 8 9 0 9 8 7 6 5 4 3 2 1

```

```

[ ] # Example - 29
for i in range(1, 6):
    for j in range(1, 6):
        if(j <= i):
            print(j, end=" ")
        else:
            print(" ", end=" ")
    for k in range(5, 0, -1):
        if(k <= i):
            print(k, end=" ")
        else:
            print(" ", end=" ")
    print()

```

```

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

```

```

[ ] # Example - 30
for i in range(1, 6):
    for j in range(5, 0, -1):
        if(j <= i):
            print(j, end=" ")
        else:
            print(" ", end=" ")
    print()

```

```

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

```

```

[ ] # Example - 31
for i in range(1, 6):
    count = 1
    for j in range(0, i):
        if(count == 1):
            print(i, end=" ")
            count = 2
        else:
            print("*"+str(i), end=" ")
    print()

for i in range(4, 0, -1):
    count = 1
    for j in range(0, i):
        if(count == 1):
            print(i, end=" ")

```

```

        count = 2
    else:
        print("*"+str(i), end=" ")
    print()

```

```

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

```

```

[ ] # Example - 32
for i in range(2, 7):
    for j in range(1, i):
        print(8+i+j, end=" ")
    print()

```

```

11
12 13
13 14 15
14 15 16 17
15 16 17 18 19

```

```

[ ] # Example - 33
for i in range(2, 7):
    for j in range(1, i):
        print(i+j-2, end=" ")
    print()

```

```

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

```

```

[ ] # Example - 34
for i in range(1, 7):
    for j in range(0, i):
        print(i+j-1, end=" ")
    print()

```

```

0
1 2
2 3 4
3 4 5 6
4 5 6 7 8
5 6 7 8 9 10

```

```

[ ] # Example - 35
for i in range(5, 0, -1):
    for j in range(1, i):
        print(" ", end=" ")
    for k in range(5, i-1, -1):
        print(k, end=" ")
    print()

```

```

5
5 4

```



```

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

```

```

[ ] # Example - 36
for i in range(1, 6):
    for j in range(i, 0, -1):
        print(j, end=" ")
    for k in range(2, i+1):
        print(k, end=" ")
    print()

```

```

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

```

```

[ ] # Example - 37
for i in range(1, 6):
    for j in range(i, 6):
        print(j, end=" ")
    for k in range(i-1, 0, -1):
        print(k, end=" ")
    print()

```

```

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

```

```

[ ] # Example - 38
for i in range(1, 6):
    for j in range(i, 6):
        print(i % 2, end=" ")
    print()

```

```

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

```

```

[ ] # Example - 39
for i in range(1, 6):
    for j in range(1, 6):
        if(i == 1 or i == 5 or j == 1 or j == 5):
            print("1", end=" ")
        else:
            print(" ", end=" ")
    print()

```

```

1 1 1 1 1
1      1
1      1
1      1
1 1 1 1 1

```

```

[ ] # Example - 40
for i in range(1, 6):
    for j in range(1, 6):
        if(i == 1 or i == 5 or j == 1 or j == 5):

```

```

        if (i == 1 or i == 5 or j == 1 or j == 5):
            print("1", end=" ")
        else:
            print("*", end=" ")
    print()

```

```

1 1 1 1 1
1 * * * 1
1 * * * 1
1 * * * 1
1 1 1 1 1

```

```

[ ] # Example - 41
for i in range(1, 6):
    for j in range(5, i, -1):
        print(" ", end="")
    for k in range(1, i+1):
        print(k, end=" ")
    print()

```

```

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

```

```

[ ] # Example - 43
for i in range(2, 11, 2):
    for j in range(i, 10, 2):
        print(" ", end=" ")
    for k in range(1, i):
        print(k, end=" ")
    print()
for i in range(8, 0, -2):
    for j in range(i, 9, 2):
        print(" ", end=" ")
    for k in range(1, i):
        print(k, end=" ")
    print()

```

```

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

```

```

[ ] # Example - 44
for i in range(1, 5):
    for j in range(1, 10):
        if (i == j or j == 5 or i == 10-j):
            print("*", end=" ")
        else:
            print("0", end=" ")
    print()

```

```

* 0 0 0 * 0 0 0 *
0 * 0 0 * 0 0 * 0
0 0 * 0 * 0 * 0 0
0 0 0 * * * 0 0 0

```

```
[ ] # Example - 45
for i in range(5, 0, -1):
    for j in range(5, 1, -1):
        if(j > i):
            print(j, end=" ")
        else:
            print(i, end=" ")

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

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

```
[ ] # Example - 46
for i in range(5, 0, -1):
    for j in range(5, 1, -1):
        if(j > i):
            print(j, end=" ")
        else:
            print(i, end=" ")

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

for i in range(2, 6):
    for j in range(5, 1, -1):
        if(j > i):
            print(j, end=" ")
        else:
            print(i, end=" ")
    for j in range(1, 6):
        if(j > i):
            print(j, end=" ")
        else:
            print(i, end=" ")
    print()
```

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

```
▶ # Example - 47
for i in range(1, 6):
    if(i == 1):
        res = i
    else:
        res = res * 11
```

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

```
1
11
121
1331
14641
```

```
[ ] # Example - 48
for i in range(1, 11):
    for j in range(1, i+1):
        print(i*j, end=" ")
    print()
```

```
1
2 4
3 6 9
4 8 12 16
5 10 15 20 25
6 12 18 24 30 36
7 14 21 28 35 42 49
8 16 24 32 40 48 56 64
9 18 27 36 45 54 63 72 81
10 20 30 40 50 60 70 80 90 100
```

```
[ ] # Example - 49
for i in range(1, 6):
    for j in range(i, 1, -1):
        print(j, end=" ")
    for k in range(1, 7-i):
        print(k, end=" ")
    print()
```

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

```
[ ] # Example - 50
k = 1
m = 1
for i in range(1, 6):
    m = k + i - 1
    for j in range(1, i+1):
        if(i % 2 == 1):
            print(k, end=" ")
        else:
            print(m, end=" ")
            m -= 1
        k += 1
    print()
```

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

```
[ ] # Example - 51
for i in range(1, 6):
    m = i
```

```

for j in range(1, i+1):
    print(m, end=" ")
    m += 1
m = m - 2
for k in range(1, i):
    print(m, end=" ")
    m -= 1
print()

```

```

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

```

```

[ ] # Example - 52
for i in range(1, 6):
    for j in range(1, 6):
        if(i == j):
            print(i, end=" ")
        else:
            print(" ", end=" ")

    for k in range(4, 0, -1):
        if(i == k):
            print(i, end=" ")
        else:
            print(" ", end=" ")
    print()

```

```

1           1
 2         2
   3       3
    4     4
     5

```

```

[ ] # Example - 53
for i in range(1, 6):
    for j in range(1, 6):
        if(i == j):
            print(i, end=" ")
        else:
            print(" ", end=" ")

    for k in range(4, 0, -1):
        if(i == k):
            print(i, end=" ")
        else:
            print(" ", end=" ")
    print()

for i in range(4, 0, -1):
    for j in range(1, 5):
        if(i == j):
            print(i, end=" ")
        else:
            print(" ", end=" ")
    for k in range(5, 0, -1):
        if(i == k):
            print(i, end=" ")
        else:
            print(" ", end=" ")
    print()

```

```

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

```

```

[ ] # Example - 54
for i in range(1, 6):
    k = 4
    res = i
    for j in range(i, i+i):
        if(i == j):
            print(j, end=" ")
        else:
            res = res + k
            print(res, end=" ")
            k -= 1
    print()

```

```

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

```

```

[ ] # Example - 55
for i in range(1, 6):
    for j in range(5, i, -1):
        print(" ", end=" ")
    for k in range(1, 6):
        if(k <= i):
            print(k, end=" ")
    for m in range(i-1, 0, -1):
        print(m, 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

```

```

[ ] # Example - 56
for i in range(1, 6):
    for j in range(5, 0, -1):
        if(i == j):
            print(j, end="")
        else:
            print("", end=" ")
    for k in range(2, 6):
        if(i == k):
            print(k, end="")
        else:
            print("", end=" ")
    print()

```

```

      1
     2 2
    3 3
   4 4
  5 5

```

```
[ ] # Example - 57
for i in range(1, 6):
    for j in range(5, 0, -1):
        if(i == j):
            print(j, end="")
        else:
            print("", end=" ")
    for k in range(2, 6):
        if(i == k):
            print(k, end="")
        else:
            print("", end=" ")
    print()

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

```

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

```
[ ] # Example - 58
for row in range(1,6):
    for i in range(0,row):
        print("1", end=" ")
    print(" *", "#")
```

```

1 * #
1 1 * #
1 1 1 * #
1 1 1 1 * #
1 1 1 1 1 * #
```

```
[ ] # Example - 59
for row in range(1,6):
    for i in range(0,row):
        print("5",end=" ")
    print( )
```

```

5
5 5
5 5 5
5 5 5 5
5 5 5 5 5
```

```
[ ] # Example - 60
```

```
[ ] # Example - 00
for row in range(0,5):
    for i in range(0,5):
        print(row,end=" ")
    print()
```

```
0 0 0 0 0
1 1 1 1 1
2 2 2 2 2
3 3 3 3 3
4 4 4 4 4
```

Star - Pattern

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

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

```
▶ # Example - 2
for i in range(5, 0, -1):
    for j in range(i, 0, -1):
        print("*",end=" ")
    print()
```

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

```
[ ] # Example - 3
for i in range(5, 0, -1):
    for j in range(i, 1, -1):
        print(" ",end=" ")
    for j in range(i, 6):
        print("*",end=" ")
    print()
```

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

```
▶ # Example - 4
for i in range(5, 0, -1):
    for j in range(i, 5, 1):
        print(" ",end=" ")
    for j in range(0, i):
        print("*",end=" ")
    print()
```

```
* * * * *
```



```

* * * *
  * * *
    * *
      *

```

```

▶ # Example - 5
for i in range(5, 0, -1):
    for j in range(i, 1, -1):
        print(" ",end=" ")
    for k in range(i, 6):
        print("*",end=" ")
    for m in range(i, 5, 1):
        print("*",end=" ")
    print()

```

```

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

```

```

[ ] # Example - 6
for i in range(5, 0, -1):
    for j in range(i, 5, 1):
        print(" ",end=" ")
    for k in range(0, i):
        print("*",end=" ")
    for m in range(1, i):
        print("*",end=" ")
    print()

```

```

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

```

```

[ ] # Example - 7
for i in range(5, 0, -1):
    for j in range(0, 6):
        if(i == j):
            print("*",end=" ")
        else:
            print(" ",end=" ")
    for j in range(4, 0, -1):
        if(i == j):
            print("*",end=" ")
        else:
            print(" ",end=" ")
    print()

```

```

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

```

```

[ ] # Example - 8
for i in range(0, 10):
    for j in range(0, 10):
        if(i == j):
            print("*",end=" ")
        else:

```

```

        print(" ",end="")
    for j in range(8, -1, -1):
        if(i == j):
            print("*",end="")
        else:
            print(" ",end="")
    print()

```

```

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

```

```

[ ] # Example - 9
for i in range(5, 0, -1):
    for j in range(0, 5):
        if(i == j):
            print("*",end="")
        else:
            print(" ",end="")
    for j in range(3, 0, -1):
        if(i == j):
            print("*",end="")
        else:
            print(" ",end="")
    print()

for i in range(0, 5):
    for j in range(0, 5):
        if(i == j):
            print("*",end="")
        else:
            print(" ",end="")
    for j in range(3, -1, -1):
        if(i == j):
            print("*",end="")
        else:
            print(" ",end="")
    print()

```

```

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

```

```

[ ] # Example - 10
for i in range(5, 0, -1):
    for j in range(i, 1, -1):
        print(" ",end="")
    for k in range(i, 6):
        print("*",end="")
    for m in range(i, 5, 1):
        print("*",end="")
    print()

```

```

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

```

```

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

```

```

[ ] # Example - 11
for i in range(5, 0, -1):
    for j in range(i, 0, -1):
        print("*",end="")
    for k in range(i, 5):
        print(" ",end="")
    for m in range(i, 5, 1):
        print(" ",end="")
    for n in range(0, i):
        print("*",end="")
    print()

for i in range(1, 5):
    for j in range(0, i+1):
        print("*",end="")
    for k in range(i, 4):
        print(" ",end="")
    for m in range(i, 4):
        print(" ",end="")
    for n in range(-1, i):
        print("*",end="")
    print()

```

```

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

```

Alphabets

```

[ ] # Example - 1
for i in range(1, 6):
    for j in range(65, 65+i):
        a = chr(j)
        print(a, end=" ")
    print()

```

```
A
A B
A B C
A B C D
A B C D E
```

```
[ ] # Example - 2
    for i in range(1, 6):
        for j in range(69, 69-i, -1):
            a = chr(j)
            print(a, end=" ")
        print()
```

```
E
E D
E D C
E D C B
E D C B A
```

```
[ ] # Example - 3
    for i in range(0, 5):
        for j in range(69 - i, 70):
            a = chr(j)
            print(a, end=" ")
        print()
```

```
E
D E
C D E
B C D E
A B C D E
```

```
[ ] # Example - 4
    for i in range(0, 5):
        for j in range(65 + i, 64, -1):
            a = chr(j)
            print(a, end=" ")
        print()
```

```
A
B A
C B A
D C B A
E D C B A
```

```
[ ] # Example - 5
    for i in range(5, 0, -1):
        for j in range(65, 65+i):
            a = chr(j)
            print(a, end=" ")
        print()
```

```
A B C D E
A B C D
A B C
A B
A
```

```
[ ] # Example - 6
    for i in range(0, 5):
        for j in range(65+i, 70):
            a = chr(j)
            print(a, end=" ")
        print()
```

```
print()
```

```
A B C D E
B C D E
C D E
D E
E
```

```
[ ] # Example - 7
for i in range(0, 5):
    for j in range(69-i, 64, -1):
        a = chr(j)
        print(a, end=" ")
    print()
```

```
E D C B A
D C B A
C B A
B A
A
```

```
[ ] # Example - 8
for i in range(0, 5):
    for j in range(69, 64+i, -1):
        a = chr(j)
        print(a, end=" ")
    print()
```

```
E D C B A
E D C B
E D C
E D
E
```

```
[ ] # Example - 9
for i in range(65, 70):
    for j in range(64, i):
        a = chr(i)
        print(a, end=" ")
    print()
```

```
A
B B
C C C
D D D D
E E E E E
```

```
[ ] # Example - 10
for i in range(70, 64, -1):
    for j in range(70, i, -1):
        a = chr(i)
        print(a, end=" ")
    print()
```

```
E
D D
C C C
B B B B
A A A A A
```

```
[ ] # Example - 11
```

```

for i in range(69, 64, -1):
    for j in range(64, i):
        a = chr(i)
        print(a, end=" ")
    print()

```

```

E E E E E
D D D D
C C C
B B
A

```

```

[ ] # Example - 12
for i in range(65, 70):
    for j in range(i, 70):
        a = chr(i)
        print(a, end=" ")
    print()

```

```

A A A A A
B B B B
C C C
D D
E

```

```

[ ] # Example - 13
k = 64;
for i in range(69, 64, -1):
    for j in range(i, 70):
        k += 1
        a = chr(k)
        print(a, end=" ")
    print()

```

```

A
B C
D E F
G H I J
K L M N O

```

```

[ ] # Example - 14
for i in range(66, 76, 2):
    for j in range(65, i):
        a = chr(j)
        print(a, end=" ")
    print()

```

```

A
A B C
A B C D E
A B C D E F G
A B C D E F G H I

```

```

[ ] # Example - 15
for i in range(5, 0, -1):
    for j in range(65, 65+i):
        a = chr(j)
        print(a, end=" ")
    for k in range(5, i, -1):
        print("*", end=" ")
    for m in range(5, i, -1):
        print("*", end=" ")
    for n in range(64+i, 64, -1):

```

```

        b = chr(n)
        print(b, end=" ")
    print()

```

```

A B C D E E D C B A
A B C D * * D C B A
A B C * * * * C B A
A B * * * * * B A
A * * * * * * * A

```

```

[ ] # Example - 16
k = 64
for i in range(0, 5, 2):
    for j in range(4, -1, -1):
        if(j > i):
            print(" ", end="")
        else:
            k += 1
            a = chr(k)
            print(a, end=" ")
    print()

```

```

      A
     B C D
    E F G H I

```

```

[ ] # Example 17
for i in range(65, 70):
    for j in range(69, 64, -1):
        if(j == i):
            print("*", end=" ")
        else:
            a = chr(j)
            print(a, end=" ")
    print()

```

```

E D C B *
E D C * A
E D * B A
E * C B A
* D C B A

```

```

[ ] # Example - 18
for i in range(1, 6):
    for j in range(65, 65+i):
        a = chr(j)
        print(a, end=" ")
    for k in range(63+i, 64, -1):
        a = chr(k)
        print(a, end=" ")
    print()

```

```

A
A B A
A B C B A
A B C D C B A
A B C D E D C B A

```

✓ 0s [5] # Example - 19

```

for i in range(65, 70):
    for j in range(65, 70):
        if(j > i):

```

```

        if(j <= i):
            a = chr(j)
            print(a, end=" ")
        else:
            print(" ", end=" ")
    for k in range(69, 64, -1):
        if(k <= i):
            b = chr(k)
            print(b, end=" ")
        else:
            print(" ", end=" ")
    print()

```

```

A           A
A B         B A
A B C       C B A
A B C D     D C B A
A B C D E   E D C B A

```

✓ [3] # Example - 20
0s

```

for i in range(65, 70):
    for j in range(69, 64, -1):
        if(j <= i):
            a = chr(j)
            print(a, end=" ")
        else:
            print(" ", end=" ")
    print()

```

```

A
B A
C B A
D C B A
E D C B A

```

✓ [7] # Example - 21
0s

```

for i in range(65, 70):
    count = 1
    for j in range(64, i):
        a = chr(i)
        if(count == 1):
            print(a, end=" ")
            count = 2
        else:
            print("*"+a, end=" ")
    print()

for i in range(68, 64, -1):
    count = 1
    for j in range(64, i):
        if(count == 1):
            a = chr(i)
            print(a, end=" ")
            count = 2
        else:
            print("*"+a, end=" ")
    print()

```

```

A
B *B
C *C *C
D *D *D *D
E *E *E *E *E
D *D *D *D
C *C *C
B *B
A

```


B *B
A

```
✓ [8] # Example - 22
0s k = 64
for i in range(65, 70):
    for j in range(69, 64, -1):
        if(j <= i):
            k += 1;
            a = chr(k)
            print(a, end=" ")
        else:
            print(" ", end=" ")
    print()
```

A
B C
D E F
G H I J
K L M N O

```
✓ [9] # Example - 23
0s for i in range(69, 64, -1):
    k = 70;
    for j in range(65, 70):
        if(j >= i):
            k -= 1
            a = chr(k)
            print(a, end=" ")
        else:
            print(" ", end=" ")
    print()
```

E
E D
E D C
E D C B
E D C B A

```
✓ [11] # Example - 24
0s for i in range(65, 70):
    for j in range(i, 64, -1):
        a = chr(j)
        print(a, end=" ")
    for k in range(66, i+1):
        b = chr(k)
        print(b, end=" ")
    print()
```

A
B A B
C B A B C
D C B A B C D
E D C B A B C D E

```
✓ [12] # Example - 25
0s k = 64
for i in range(70, 65, -1):
    for j in range(65, i):
        k += 1;
        a = chr(k)
        print(a, end=" ")
    print()
```

```
A B C D E
F G H I
J K L
M N
O
```

```
✓ [13] # Example - 26
0s
for i in range(65, 70):
    for j in range(i, 70):
        a = chr(j)
        print(a, end=" ")
    for k in range(i-1, 64, -1):
        b = chr(k)
        print(b, end=" ")
    print()
```

```
A B C D E
B C D E A
C D E B A
D E C B A
E D C B A
```

```
✓ [16] # Example - 27
0s
for i in range(65, 70):
    for j in range(70, i, -1):
        print(" ", end="")
    for k in range(65, i+1):
        a = chr(k)
        print(a, end=" ")
    print()
```

```
A
A B
A B C
A B C D
A B C D E
```

```
✓ [17] # Example - 28
0s
k = 70
for i in range(69, 64, -1):
    for j in range(k-1, 65, -1):
        if(j > i):
            a = chr(j)
        else:
            a = chr(i)
        print(a, end=" ")

    for j in range(65, k):
        if(j > i):
            b = chr(j)
        else:
            b = chr(i)
        print(b, end=" ")
    print()
```

```
E E E E E E E E
E D D D D D D E
E D C C C C C D E
E D C B B B C D E
E D C B A B C D E
```

```
✓ # Example - 29
0s
```

```

K = 70
for i in range(69, 64, -1):
    for j in range(k-1, 65, -1):
        if(j > i):
            a = chr(j)
        else:
            a = chr(i)
        print(a, end=" ")

    for j in range(65, k):
        if(j > i):
            b = chr(j)
        else:
            b = chr(i)
        print(b, end=" ")
    print()

for i in range(66, k):
    for j in range(k-1, 65, -1):
        if(j > i):
            a = chr(j)
        else:
            a = chr(i)
        print(a, end=" ")
    for j in range(65, k):
        if(j > i):
            b = chr(j)
        else:
            b = chr(i)
        print(b, end=" ")
    print()

```

```

E E E E E E E E
E D D D D D D D E
E D C C C C C D E
E D C B B B C D E
E D C B A B C D E
E D C B B B C D E
E D C C C C C D E
E D D D D D D D E
E E E E E E E E

```

✓ [19] # Example - 30
0s

```

init = 64;
for i in range(70, 65, -1):
    init += 1;
    for j in range(init, 65, -1):
        a = chr(j)
        print(a, end=" ")
    for k in range(65, i):
        a = chr(k)
        print(a, end=" ")
    print()

```

```

A B C D E
B A B C D
C B A B C
D C B A B
E D C B A

```

✓ [20] # Example - 31
0s

```

for i in range(65, 70):
    for j in range(65, 70):
        if(i == j):
            a = chr(i)
            print(a, end=" ")

```

```

        else:
            print(" ", end=" ")

    for k in range(68, 64, -1):
        if(i == k):
            a = chr(i)
            print(a, end=" ")
        else:
            print(" ", end=" ")
    print()

```

```

      A      A
     B      B
    C      C
   D      D
  E

```

```

[32] # Example - 32
    for i in range(65, 70):
        for j in range(69, 64, -1):
            if(i == j):
                a = chr(j)
                print(a, end=" ")
            else:
                print("", end=" ")
        for k in range(66, 70):
            if(i == k):
                a = chr(k)
                print(a, end=" ")
            else:
                print("", end=" ")
        print()

```

```

      A
     B B
    C  C
   D   D
  E     E

```

```

[30] # Example - 33
    for i in range(65, 70):
        for j in range(69, 64, -1):
            if(i == j):
                a = chr(j)
                print(a, end=" ")
            else:
                print("", end=" ")
        for k in range(66, 70):
            if(i == k):
                a = chr(k)
                print(a, end=" ")
            else:
                print("", end=" ")
        print()

    for i in range(68, 64, -1):
        for j in range(69, 64, -1):
            if(i == j):
                a = chr(j)
                print(a, end=" ")
            else:
                print("", end=" ")
        for k in range(66, 69):
            if(i == k):
                a = chr(k)
                print(a, end=" ")

```

```

else:
    print("", end=" ")
print()

```

```

      A
     B B
    C  C
   D   D
  E    E
 D     D
C      C
 B     B
  A

```

Example - 34

```

for i in range(65, 70):
    for j in range(i+1, 70):
        print(" ", end=" ")
    for k in range(65, i+1):
        a = chr(k)
        print(a, end=" ")
    for m in range(i-1, 64, -1):
        b = chr(m)
        print(b, end=" ")
    print()

```

```

      A
     A B A
    A B C B A
   A B C D C B A
  A B C D E D C B A

```