

Example:

| | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| 1 | 1 | | | | |
| 2 | 1 | 0 | | | |
| 3 | 1 | 0 | 1 | | |
| 4 | 1 | 0 | 1 | 0 | |
| 5 | 1 | 0 | 1 | 0 | 1 |

```
for i in range(1,6):
    for j in range(1,i+1):
        if j%2==0:
            print("0",end=' ')
        else:
            print("1",end=' ')
    print()
```

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

```
for i in range(1,6):
    for j in range(1,i+1):
        if j%2==0:
            print("*",end=' ')
        else:
            print("$",end=' ')
    print()
```

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

```
1
1 2
```

```

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

```

```

$*
$ * $*
$ * $ * $*
$ * $ * $ *

```

| | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| 5 | 1 | * | 3 | * | 5 |
| 4 | 1 | * | 3 | * | |
| 3 | 1 | * | 3 | | |
| 2 | 1 | * | | | |
| 1 | 1 | | | | |

```

for i in range(5,0,-1):
    for j in range(1,i+1):
        if j%2==0:
            print("*",end=' ')
        else:
            print(j,end=' ')
    print()

```

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

```

num=1
for i in range(1,6):
    for j in range(1,i+1):
        print(num,end='\t')
        num=num+1
    print()

```

| | | | | |
|----|----|----|----|----|
| 65 | 66 | 67 | 68 | 69 |
| 65 | A | | | |
| 66 | A | B | | |
| 67 | A | B | C | |
| 68 | A | B | C | D |
| 69 | A | B | C | D |
| | | | | E |

```

for i in range(65,70):
    for j in range(65,i+1):
        print(chr(j),end=' ')
    print()

```

```

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

```

```

for i in range(69,64,-1):
    for j in range(65,i+1):
        print(chr(j),end=' ')
    print()

```

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

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

| | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| 1 | * | | | | |
| 2 | | * | | | |
| 3 | | | * | | |
| 4 | | | | * | |
| 5 | | | | | * |

| | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|
| 1 | | | | | * |
| 2 | | | | * | |
| 3 | | | * | | |
| 4 | * | | | | |
| 5 | * | | | | |

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

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

| | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| 1 | * | | | | * |
| 2 | | * | | | * |
| 3 | | | * | | |
| 4 | * | | | * | |
| 5 | * | | | | * |

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

| | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| 1 | * | * | * | * | * |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | * | * | * | * | * |

```
for i in range(1,6):
    for j in range(1,6):
        if i==1 or i==5:
            print("*",end=' ')
        else:
            print(" ",end=' ')
    print()
```

| | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| 1 | * | | | | * |
| 2 | * | | | | * |
| 3 | * | | | | * |
| 4 | * | | | | * |
| 5 | * | | | | * |

```
for i in range(1,6):
    for j in range(1,6):
        if j==1 or j==5:
            print("*",end=' ')
        else:
            print(" ",end=' ')
    print()
```

| | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| 1 | * | * | * | * | * |
| 2 | * | | | | * |
| 3 | * | | | | * |
| 4 | * | | | | * |
| 5 | * | * | * | * | * |

```
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("*",end=' ')
        else:
            print(" ",end=' ')
    print()
```

```
-----x  
-x-x-x  
-x-x-x-x  
-x-x-x-x-x  
x-x-x-x-x
```

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

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

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