

Right triangle

```
[ ]
a=int(input("Enter any value:"))
for i in range(1,a+1):
    for j in range(1,i+1):
        print("*", end="")
    print()
Enter any value:5
*
* *
* * *
* * * *
* * * * *
```

30,Number pattern with increasing rows

```
[ ]
a=int(input("Enter any value:"))
for i in range(1,a+1):
    for j in range(1,i+1):
        print(i, end="")
    print()
Enter any value:5
1
22
333
4444
55555
```

Increasing number pattern

```
[ ]
a=int(input("Enter any value:"))
for i in range(1,a+1):
    for j in range(1,i+1):
        print(j, end="")
    print()
Enter any value:5
1
12
123
1234
12345
```

Increasing alphabet pattern

```
[ ]
```

```
a=int(input("Enter any value:"))
for i in range(a):
    for j in range(i+1):
        print(chr(j+65), end="")
    print()
Enter any value:5
A
AB
ABC
ABCD
ABCDE
```

```
[ ]
a=int(input("Enter any value:"))
for i in range(65,70):
    for j in range(65,i+1):
        print(chr(i),end="")
    print()
Enter any value:5
A
BB
CCC
DDDD
EEEE
```

Double-click (or enter) to edit

```
[ ]
a=int(input("Enter any value:"))
for i in range(65,70):
    k=i
    for j in range(65,i+1):
        print(chr(k),end="")
        k=k+1
    print()
Enter any value:5
A
BC
CDE
DEFG
EFGHI
```

Double-click (or enter) to edit

```
[ ]
a=int(input("Enter any value:"))
for i in range(65,70):
    for j in range(i,64,-1):
        print(chr(j),end="")
    print()
Enter any value:5
```

A
BA
CBA
DCBA
EDCBA

Increasing alphabet pattern

```
[ ]
a=int(input("Enter any value:"))
for i in range(65,70):
    for j in range(65,i+1):
        print(chr(j),end="")
    print()
Enter any value:5
A
AB
ABC
ABCD
ABCDE
```

54,Increasing alphabet pyramid

```
[ ]
a=int(input("Enter any value:"))
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 l in range(i-1,64,-1):
        b=chr(l)
        print(b,end="")
    print()
Enter any value:5
A
ABA
ABCBA
ABCD CBA
ABCDEDCBA
```

63, Floyd's Triangle with Stars

```
[ ]
a=int(input("Enter any value:"))
for i in range(0,a,1):
    for j in range(a-i):
        print(" ", end=" ")
    for k in range(2*i+1):
```

```

    print("*", end=" ")
print()
Enter any value:5
*
* * *
* * * * *
* * * * * *
* * * * * * *

```

4, Inverted Pyramid

```

[]
a=int(input("Enter any value:"))
for i in range(a,0,-1):
    for j in range(a-i):
        print("", end="")
    for k in range(2*i-1):
        print("*", end="")
    print()
Enter any value:5
*****
*****
*****
***
*

```

Number triangle with increment numers

```

[]
a=int(input("Enter any value:"))
b=1
for i in range(1,a+1):
    for j in range(1,i+1):
        print(b,end="")
        b+=1
    print()
Enter any value:5
1
23
456
78910
1112131415

```

Double-click (or enter) to edit

```

[]
a=int(input("Enter any value:"))
for i in range(1,a+1):
    for j in range(1,i+1):
        print("",end="")

```

```
for k in range(i-1,0,-1):
    print(k,end="")
print()
Enter any value:5
```

```
1
21
321
4321
```

24, Arrow pattern

```
[ ]
a=int(input("Enter any value:"))
for i in range(1,a+1):
    print("*"*(a-i),end="")
    for j in range(1,i+1):
        print("*",end="")
    print()
for i in range(a-1,0,-1):
    print("*"*(a-i),end="")
    for j in range(1,i+1):
        print("*",end="")
    print()
Enter any value:5
*
**
***
****
*****
****
***
**
*
```

5, Diamond Shape

```
[ ]
a=int(input("Enter any value:"))
for i in range(0,a,1):
    for j in range(a-i):
        print(" ", end=" ")
    for k in range(2*i-1):
        print("*", end=" ")
    print()
for i in range(a-1,0,-1):
    for j in range(a-i):
        print(" ", end=" ")
    for k in range(2*i-1):
```

```
    print("*",end=" ")
print()
Enter any value:5
```

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

```

1,Square Pattern

```
[ ]
a=int(input("Enter any value:"))
for i in range(a):
    for j in range(a):
        print("*",end="")
    print()
Enter any value:5
*****
*****
*****
*****
*****

```

11, Hollow Square

```
[ ]
a=int(input("Enter any value:"))
for i in range(a):
    for j in range(a):
        if i==0 or i==a-1 or j==0 or j==a-1:
            print("*",end=" ")
        else:
            print(" ",end=" ")
    print()
Enter any value:5
*****
*   *
*   *
*   *
*****

```

3,Simple triangle

```
[ ]
```

```

a=int(input("Enter any value:"))
for i in range(0,a,1):
    for j in range(a-i):
        print(" ",end=" ")
    for k in range(2*i+1):
        print("*",end=" ")
    print()
Enter any value:5
    *
  * * *
 * * * * *
* * * * * * *
* * * * * * * *

```

58, Double arrow pattern

```

[ ]
a=int(input("Enter any value:"))
for i in range(1,a+1):
    print(" "*i,end=" ")
    for j in range(1,i+1):
        print("*",end=" ")
    print()
for i in range(a-1,0,-1):
    print(" "*i,end=" ")
    for j in range(1,i+1):
        print("*",end=" ")
    print()
for i in range(1,a+1):
    print(" "*i,end=" ")
    for j in range(1,i+1):
        print("*",end=" ")
    print()
for i in range(a-1,0,-1):
    print(" "*i,end=" ")
    for j in range(1,i+1):
        print("*",end=" ")
    print()
Enter any value:5
*
**
***
****
*****
****
***
**
*
*
**
***

```

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

Double-click (or enter) to edit

```
[ ]
a=int(input("Enter any value:"))
for i in range(65,70):
    for j in range(65,i+1):
        print(chr(j),end="")
    print()
Enter any value:5
A
AB
ABC
ABCD
ABCDE
```

13, Hourglass pattern

```
[ ]
a=int(input("Enter any value:"))
for i in range(a,0,-1):
    for j in range(a-i):
        print(" ",end=" ")
    for k in range(2*i-1):
        print("*",end=" ")
    print()
for i in range(1,a,1):
    for j in range(a-i):
        print(" ",end=" ")
    for k in range(2*i-1):
        print("*",end=" ")
    print()
Enter any value:5
*****
*****
****
***
**
*
*
***
*****
*****
```

70, Hollow square with diagonal

```
[ ]
a=int(input("Enter any value:"))
for i in range(a):
    for j in range(a):
        if i==0 or i==a-1 or j==0 or j==a-1 or i==j:
            print("*",end=" ")
        else:
            print(" ",end=" ")
    print()
Enter any value:5
* * * * *
* *   *
* *   *
*   **
* * * * *
```

65, Star Cross Pattern

```
[11]
a=int(input("Enter any value:"))
for i in range(a):
    for j in range(a):
        if i==j or i+j==a-1:
            print("*", end="")
        else:
            print(" ", end="")
    print()
Enter any value:5
* *
* *
*
* *
* *
```

Double-click (or enter) to edit

```
[13]
a=int(input("Enter any value:"))
for i in range(a):
    for j in range(a- i-1):
        print(" ", end="")
    for j in range(i+1):
        print("*", end="")
    print()
Enter any value:5
*
**
***
****
*****
```

21, Heart shape pattern

```
[14]
a=int(input("Enter any value:"))
for i in range(a//2,a,2):
    for j in range(1,a-i,2):
        print(" ", end="")
    for j in range(1,i+1):
        print("*", end="")
    for j in range(1,a-i+1):
        print(" ", end="")
    for j in range(1,i+1):
        print("*", end="")
    print()

for i in range(a,0,-1):
    for j in range(i,a):
        print(" ", end="")
    for j in range(1,i*2):
        print("*", end="")
    print()
```

Enter any value:5

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

20, Checkbord pattern

```
[21]
a=int(input("Enter any value:"))
for i in range(a):
    for j in range(a+1):
        if (i+j) % 2==0:
            print("*", end="")
        else:
            print("", end=" ")
    print()
```

Enter any value:5

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

19, Butterfly pattern

[22]

```
a=int(input("Enter any value:"))
for i in range(1,a+1):
    for j in range(1,i+1):
        print("*", end="")
    for j in range(2*(a-i)):
        print(" ", end="")
    for j in range(1,i+1):
        print("*", end="")
    print()
for i in range(a,0,-1):
    for j in range(1,i+1):
        print("*", end="")
    for j in range(2*(a-i)):
        print(" ", end="")
    for j in range(1,i+1):
        print("*", end="")
    print()
```

Enter any value:5

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

16, Cross or X Pattern

[]

```
a=int(input("Enter any value:"))
for i in range(a):
    for j in range(a):
        if i==j or i+j==a-1:
            print("*", end="")
        else:
            print(" ", end="")
    print()
```

Double-click (or enter) to edit

[23]

```
a=int(input("Enter any value:"))
b=int(input("Enter any value:"))
```

```

for i in range(a):
    for j in range(b):
        if (i+j) % (a-1)==0:
            print("*",end="")
        else:
            print(" ",end="")
    print()
Enter any value:5
Enter any value:5
* *
*
*
*
* *

```

14,Floyd's triangle program

```

[25]
a=int(input("Enter any value:"))
b=int(input("Enter any value:"))
for i in range(1,a+1):
    for j in range(1,i+1):
        print(b,end=" ")
        b+=1
    print()
Enter any value:5
Enter any value:5
5
6 7
8 9 10
11 12 13 14
15 16 17 18 19

```

12, Hollow pyramid

```

[26]
a=int(input("Enter any value:"))
for i in range(1,a+1):
    for j in range(a-i):
        print(" ",end="")
    for k in range(2*i-1):
        if k==0 or k==2*i-2 or i==a:
            print("*",end="")
        else:
            print(" ",end="")
    print()
Enter any value:5
*
* *
* *
* *
* *

```
