

1.

```
rows=5
```

```
for i in range(1,rows+1):
```

```
    for j in range(i):
```

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

```
    print()
```

OUTPUT:

```
*
```

```
**
```

```
***
```

```
****
```

```
*****
```

2.

```
rows=5
```

```
for i in range(rows):
```

```
    print(" " *(rows-i-1),end="")
```

```
    print("* "*(i+1))
```

```
for i in range(rows-2,-1,-1):
```

```
    print(" "*(rows-i-1), end="")
```

```
    print("* "*(i+1))
```

OUTPUT:

```
*
```

```
* *
```

```
* * *
```

```
* * * *
```

```
* * * * *
```

```
* * * *
```

```
* * *
```

```
* *
```

```
*
```

3.

```
rows = 5
```

```
for i in range(1, rows+1):
```

```
    print(" "*(rows-i), end="")
```

```
    for j in range(1, i+1):
```

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

```
    print()
```

OUTPUT:

```
1
```

```
1 2
```

```
1 2 3
```

```
1 2 3 4
```

```
1 2 3 4 5
```

4.

```
rows = 5
```

```
for i in range(1, rows+1):
```

```
    print(" "*(rows-i), end="")
```

```
    for j in range(1, i+1):
```

```
        print(chr(65+j-1), end=" ")
```

```
    print()
```

OUTPUT:

A

A B

A B C

A B C D

A B C D E

5.

```
rows=5
```

```
for i in range(1,rows+1):
```

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

```
    if i>1:
```

```
        print(chr(64+i),end=" ")
```

```
    for j in range(i-2):
```

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

```
    print()
```

OUTPUT:

1

2 B

3 C *

4 D * *

5 E * * *