

In [22]:

```
for i in range(0,5):
    for j in range(0,5):
        print("*",end=" ")
    print()
```

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

In [21]:

```
i=1
while i<=5:
    j=1
    while j<=i:
        print("*",end=" ")
        j=j+1
    print()
    i=i+1
```

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

In [20]:

```
for j in range(1,6):
    for k in range(9-j,1,-1):
        print(end=" ")
    for i in range(1,j+1):
        print("*",end=" ")
    print()
```

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

In [30]:

```
n=5
for i in range(n):
    for j in range(n-i):
        print("*",end=" ")
    print()
```

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

In [51]:

```
for i in range(1,5):
    for j in range(4-i):
        print(end=" ")
    for j in range(1,i*2):
        print("*",end="")
    print()
for i in range(3,0,-1):
    for j in range(4-i):
        print(end=" ")
    for j in range(1,i*2):
        print("*",end="")
    print()
```

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

In [47]:

```
num=int(input("enter the number of rows and coloumn:"))

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

```
enter the number of rows and coloumn:6
* * * * *
*           *
*           *
*           *
*           *
*           *
* * * * *
```

In [28]:

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

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

In [16]:

```
for j in range(1,6):
    for i in range(1,11):
        print(i,end=" ")
    print()
```

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

In [17]:

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

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

In [18]:

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

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

In [19]:

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

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

In [20]:

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

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

In [21]:

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

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

In [22]:

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

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

In [2]:

```
n=int(input("Enter the number of rows:"))

for i in range(n):
    k=ord("A")+i
    for j in range(i+1):
        print(chr(k),end=" ")
        k=k+1
    print()
```

Enter the number of rows:5

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

In [45]:

```
n=5
for i in range(n):
    for j in range(i):
        print(' ',end=" ")
    for j in range(i,n):
        if(i%2==0):
            print('Z',end=' ')
        else:
            print('0',end=' ')
    print()
```

```
Z Z Z Z Z
0 0 0 0
Z Z Z
0 0
Z
```

In [40]:

```
n=5
p=65
for i in range(n-1):
    for j in range(i,n):
        print(' ',end=' ')
    for j in range(i):
        print(chr(p),end=' ')
    for j in range(i+1):
        print(chr(p),end=' ')
    p+=1
    print()
```

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

In [42]:

```
s="CODER"
n=len(s)
p=0
for i in range(n):
    for j in range(i+1):
        print(s[p],end=' ')
    p+=1
    print()
```

```
C
O O
D D D
E E E E
R R R R R
```

In [54]:

```
s="Yash"
n=len(s)
for i in range(n):
    p=0
    for j in range(i+1):
        print(s[p],end=' ')
    p+=1
    print()
```

```
Y
Ya
Yas
Yash
```

In []: