1.Right Angle triangle pattern

```
for i in range(1,6):
    print(' * ' *i)
```

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

2.Inverted Right Angle Triangle Pattern

```
for i in range(5,0,-1):
    print(' * ' *i)
```

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

3.Pyramid Pattern

```
for i in range(1,6):
    print(''*(5-i)+' * '*(2*i-1))
```

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

4.Inverted Pyramid Pattern

```
for i in range(5,0,-1):
    print(''*(5-i)+' * '*(2*i-1))
```

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

5.Diamond Pattern

```
for i in range(1,6):
    print(''*(5-i)+' * '*(2*i-1))
```

```
for i in range(4,0,-1):
    print(''*(5-i)+' * '*(2*i-1))
```

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

6.Hallow Square pattern

```
for i in range(5):
    for j in range(5):
        if i==0 or i==4 or j==0 or j==4:
            print('*',end='')
        else:
            print(' ',end='')
    print()
```

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

7.Full Square Pattern

```
for i in range(5):
    print(' * '*5)
```

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

8.Right Angle Triangle(Number Pattern)

```
for i in range(1,6):
    print(' '.join(str(x) for x in range(1,i+1)))
```

```
1
1 2
1 2 3
```

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

9.Inverted Right Angle Traingle(Number Pattern)

```
for i in range(5,0,-1):
    print(' '.join(str(x)for x in range(1,i+1)))
```

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

10.Floyd's triangle

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

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

11.Hallow right angle triangle

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

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

12.Hallow Pyramid Pattern

```
for i in range(1,6):
    for j in range(5-i):
```

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

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

13.Hallow Diamond Problem

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

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