```
# 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(''*(5-1)+' * '*(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 Triangle(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 Pattern
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()
```

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

```
#14)Butterfly Pattern
n=5
for i in range(1,n+1):
  for j in range(1,i+1):
    print(j,end=' ')
  for j in range(2*(n-i)):
    print(' ',end=' ')
  for j in range(1,i+1):
    print(j,end=' ')
  print()
for i in range(n,0,-1):
  for j in range(1,i+1):
     print(j,end=' ')
  for j in range(2*(n-i)):
     print(' ',end=' ')
  for j in range(1,i+1):
     print(j,end=' ')
  print()
```

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

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

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

```
#16) Hallow Number Pyramid
n=5
for i in range(1,n+1):
  for j in range(n-i):
    print(' ',end=' ')

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

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

```
#17) Full Star Pyramid
n=5
for i in range(1,n+1):
  for j in range(n-i):
     print(' ',end=' ')
  for j in range(2*i-1):
    print('*',end=' ')
  print()
```

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

```
#18)Inverted Full Star Pyramid
n=5
for i in range(n,0,-1):
  for j in range(n-i):
    print(' ',end=' ')
  for j in range(2*i-1):
    print('*',end=' ')
  print()
```

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

```
#19)Left Aligned Pyramid Pattern
n=5
for i in range(1,n+1):
  for j in range(i):
    print('*',end=' ')
  print()
n=5
for i in range(1,n+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
```

```
#20)Right Aligned Pyramid Pattern
n=5
for i in range(1,n+1):
  for j in range(n-i):
    print(' ',end=' ')
  for j in range(1,i+1):
    print(j,end=' ')
  print()
n=5
for i in range(1,n+1):
```

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

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

Start coding or generate with AI.

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