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INPROGRAMMER.COM

1. Simple Number Triangle

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

Program :-

```
rows = 6
for num of range (rows ):
for i in range (num ):
 Print (num end = " ")
 Print (" ")
```

2. Inverted Pyramid

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

Program :-

```
rows
 b = 0
for i in range (rows, 0, -1)
bt = 1
for j in range (1, i, +1)
Print (b, end = " ")
Print ('\r')
```

3. Half Pyramid Pattern

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

Program :-

```
rows = 5
for row in range (1, rows+1):
for c in range (1, row+1)
Print (c, end = " ")
Print (" ")
```

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4. **Inverted Pyramid Pattern**

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

Pattern Code :-

```
rows = 5
for i in range (rows, 0, -1):
    num = i
    for j in range (0, i):
        Print (num, end=" ")
    Print ("\r")
```

5. **Reverse Pyramid**

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

Code :-

```
rows = 6
for r in range (1, rows):
    for c in range (r, 0, -1):
        Print (c, end=" ")
    Print ("\r")
```

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6. Half Inverted Pyramid

> 0 1 2 3 4 5
> 0 1 2 3 4
> 0 1 2 3
> 0 1 2
> 0 1

```
rows = 5
for i in range (rows, 0, -1 ):
for j in range ( 0, i +1 ):
Print (j, end=" ")
Print ('\r')
```

7. Pyramid of Natural numbers less than 10

> 1
> 2 3 4
> 5 6 7 8 9

Program:

```
CumNum =
5 = 2
r = 3
for i in range (r ):
for c in range(1, 5):
Print (CumNum, end=' ')
CumNum+= 1
Print (" ")
St = 2
```

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8 **Mirrored Pyramid**

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

Program:

```
r = 6
for r in range (1, r):
num = 1
for j in range (rows, 0, -1):
if j > row:
Print ("  ", end = ' ')
else:
Print (num, end = " ")
num t = 1
Print ("  ")
```

9. **Inverted Pyramid of the same digit :**

```
5 5 5 5 5
5 5 5 5
5 5 5
5 5
5
```

Program:

```
r = 5
n = r
for i in range (r, 0, -1):
for j in range ( 0, i ):
Print (n, end = ' ')
Print ('\r')
```

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10. Full Pyramid of Number

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

Program:-

```
rows = 5
K = 0
C = 0
C1 = 0
for i in range (1, rows+1):
for s in range (i, (rows-1)+1):
Print (" ", end= " ")
Count t = 1
While K 1 = ((2*i) - 1 ):
if Count < rows - 1
Print (i + K, end= " ")
Count t = 1
else:
    C1 t = 1
    Print (i + K - (2* C1), end= " ")
    K t = 1
    C1 = C = K = 0
    Print ( )
```