

We will be studying the following **patterns** after completing  
the chapter on Functions.

Please feel free to try them on your own!

# HOLLOW RECTANGLE pattern

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

APNA  
COLLEGE

# INVERTED & ROTATED HALF-PYRAMID pattern

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

APNA  
COLLEGE

# INVERTED HALF-PYRAMID with Numbers pattern

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

APNA  
COLLEGE

# FLOYD'S Triangle pattern

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

APNA  
COLLEGE

# 0-1 Triangle pattern

```
1  
0 1  
1 0 1  
0 1 0 1  
1 0 1 0 1
```

APNA  
COLLEGE

# BUTTERFLY pattern

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

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

APNA  
COLLEGE

# SOLID RHOMBUS pattern

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

APNA  
COLLEGE

# HOLLOW RHOMBUS pattern

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

APNA  
COLLEGE

# DIAMOND pattern

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

APNA  
COLLEGE

# NUMBER PYRAMID pattern

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

APNA  
COLLEGE

# PALINDROMIC Pattern with Numbers pattern

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

APNA  
COLLEGE