

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

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COLLEGE

0-1 Triangle pattern

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

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COLLEGE**

BUTTERFLY pattern

A grid of orange asterisks on a dark background. The grid consists of 10 rows and 10 columns of asterisks. The first and last columns contain a single asterisk each. The second and ninth columns contain two asterisks each, positioned at the top and bottom. The third through eighth columns contain three asterisks each, arranged in a top-middle-bottom 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
```

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