

Basic Patterns

Print **STAR** pattern

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

Print **INVERTED-STAR** pattern

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

Print **HALF-PYRAMID** pattern

```
1  
12  
123  
1234
```

Print **CHARACTER** pattern

```
A  
BC  
DEF  
GHIJ
```

Advance Patterns

HOLLOW RECTANGLE pattern

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

INVERTED & ROTATED HALF-PYRAMID pattern

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

INVERTED HALF-PYRAMID with Numbers

```
12345
1234
123
12
1
```

FLOYD'S Triangle

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

0-1 Triangle

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

BUTTERFLY Pattern

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

SOLID RHOMBUS

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

HOLLOW RHOMBUS

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

DIAMOND Pattern

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

NUMBER PYRAMID

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

PALINDROMIC Pattern with Numbers

```
      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
```



Heart Pattern (Print Both Hollow & Fill)