



# SKILLS

## Assignments | Pattern Printing - 2 | Week 3

1. Print the following pattern

Input:  $n = 5$

Output:

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

2. Print the following pattern

Input:  $n = 4$

Output:

```
  A
  A B C
 A B C D E
A B C D E F G
```

3. Print the following pattern

Input:  $n = 4$

Output:

```
  A
  B A B
 C B A B C
D C B A B C D
```

4. Print the following pattern

Input: n = 4

Output:

```
A B C D E F G
A B C   E F G
A B     F G
A       G
```

5. Print the following pattern

Input: n = 4

Output:

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

6. Print the following pattern

Input : n = 5

Output:

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

7. Print the following pattern

Sample Input : m = 4, n = 6

Sample Output :

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

```
*  *  
  *
```

8. Print the following pattern

Sample Input : n = 4

Output :

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

9. Print the following pattern

Sample Input : n = 5

Output :

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

10. Print the following pattern

Input : n = 4

Output :

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

11. Print the following pattern

Input: n = 4

Output:

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

*Note:- Please try to invest time doing the assignments which are necessary to build a strong foundation. Do not directly Copy Paste using Google or ChatGPT. Please use your brain 😊.*

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