

Institute of Engineering and Management, New Town Campus
University of Engineering and Management, Kolkata
Assignment-3, Second Semester-2024
Course Name: Programming for Problem Solving Laboratory
Course Code: ESCCS291

1. Print the following pattern upto N Lines:

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

for N = 4

2. Print the following pattern upto N Lines:

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

for N = 4

3. Print the following pattern upto N Lines:

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

for N = 4

4. Print the following pattern upto N Lines:

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

for N = 4

5. Print the following pattern upto N Lines:

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

for N = 4

6. Print the following pattern upto N Lines:

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

for N = 4

7. Write a Program to print given pattern:

```
A
BB
CCC
DDDD
```

- 8 Write a Program to print given pattern:

```
ABCDE
CDEF
EFG
GH
I
```

- 9 Write a Program to print given pattern:

```
A
BC
CDE
DEFG
EFGHI
```

- 10 Write a Program to print given pattern:

```
A
AC
ACE
ACEG
ACEGI
```

- 11 Write a Program to print given pattern:

```
1
12
123
1234
12345
```

- 12 Print the following pattern upto N Lines:

```
10001
01010
00100
01010
10001
```

for N=5

- 13 Print the following pattern upto N Lines:

```
1
121
12321
1234321
```

for N = 5

- 14 Print the following pattern upto N Lines:

```
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
```

for N = 4

for N=5