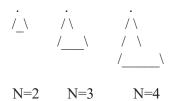
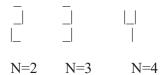
1. Print the pattern upto N Lines:



2. Print a number as a 8 segment display N Lines:



N=2 N=3 3. Print the pattern upto N lines:

**4.** Print the following pattern upto N lines:

5. Print the shape for Height = N

***	****	****
* *	* *	* *
***	* *	* *
	****	* *
		****
N=3	N=4	N=5

**6.** Floyd's triangle is a right-angled triangular array of natural numbers as shown below:

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

Write a program to print the Floy'd triangle.

7. Write programs to print following patterns:

```
8.
****
9.
***
10.
11.
                                            1
                                           222
                                          33333
                                         4444444
                                        55555555
12.
```

1
212
32123
4321234
543212345

13. Write a program that prints the following diamond pattern:

**14**. Write a program that takes an integer input n and prints a pattern using the multiplication table from 1 to n. Each cell in the pattern should contain the product of its row and column numbers. Here is a sample output:

Enter a number: 5

**15.** Write a program that takes an integer input n and prints all prime numbers from 2 to n using nested loops. Here is a sample output:

Enter a number: 20 2 3 5 7 11 13 17 19