

```
1  #include <stdio.h>
2
3  int main()
4  {
5      int rows, i, j, space, coef=1;
6      printf("Enter rows:");
7      scanf("%d", &rows);
8
9      for (i = 0; i < rows; i++)
10     {
11         for (space = 1; space <= rows - i; space++)
12         {
13             printf(" ");
14         }
15         for (j = 0; j <= i; j++)
16         {
17             if (j == 0 || i == 0)
18                 coef = 1;
19
20             else
21             {
22                 coef = coef * (i - j + 1) / j;
23             }
24             printf("M", coef);
25         }
26         printf("\n");
27     }
28     return 0;
29 }
```

● ● ● Code Testing Soumojit - Ass_4_Q1.c

```
1  #include<stdio.h>
2
3  int main(){
4      int i,j,row;
5      printf("Enter row:");
6      scanf("%d", &row);
7
8      for ( i = 0; i <=row; i++)
9      {
10         for ( j = 1; j <=i; j++)
11         {
12             printf("* ");
13         }
14         printf("\n");
15     }
16
17     return 0;
18 }
```

```
1  #include <stdio.h>
2
3  int main()
4  {
5      int n, i, j, num , k;
6      printf("Enter row:");
7      scanf("%d", &n);
8
9      for (i = 1; i <=n; i++)
10     {
11         for (k = 1; k <= n-i; k++)
12         {
13             printf("    ");
14         }
15         num = i;
16         for (j = 1; j<=i ; j++)
17         {
18             printf("%d  ", num);
19             num = num +1;
20         }
21         printf("\n");
22
23     }
24
25     return 0;
26 }
```

```
1  #include<stdio.h>
2
3  int main(){
4      int rows, i,space,count=0,count1=0,k=0;
5      printf("Enter rows:");
6      scanf("%d", &rows);
7
8      for ( i = 1; i <=rows; i++)
9      {
10         for (space = 1; space <= rows-i; ++space)
11         {
12             printf("    ");
13             ++count;
14         }
15
16         while (k!= 2*i -1)
17         {
18             if(count<=rows-1){
19                 printf("%d    ",i+k);
20                 ++count;
21             }
22             else{
23                 ++count1;
24                 printf("%d    ",(i+k-2*count1));
25             }
26             ++k;
27         }
28         count1=count=k=0;
29         printf("\n");
30
31     }
32
33
34
35     return 0;
36 }
```