



Coding Assignment-2

Write programs to print following patterns-

Q1. X Patterns using numbers

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

Q2. X Pattern using star

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

Q3. N=4 S=3

```
3
44
555
6666
6666
555
44
3
```

Q4. N=4 (No of lines)

```
11112
32222
33334
54444
```

Q5. Pascal Triangle, N=5

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

Q6. N=5

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

Q7. N=4

```
1
2*3
4*5*6
7*8*9*10
7*8*9*10
4*5*6
2*3
1
```

Q8. N=4

```
1*2*3*4*17*18*19*20
 5*6*7*14*15*16
 8*9*12*13
10*11
```

Q9. N=3

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

Q10. N=4

```
1 * 2 * 3 * 4
9 * 10 * 11 * 12
13 * 14 * 15 * 16
5 * 6 * 7 * 8
```