Pattern

1 2 3 4 5

N=4 1= +28.4 J= +7=345 1-2-1

1-2-3-4

fadorial:

N = 5

5 x y x 3 x 2 x 1 = 120

J'6 on arci series :-

01123581321...

012345678...

 $a = 0 + \chi \chi^{3}$   $b = \chi \chi \chi^{3}$   $c = a + b = \chi \chi^{3}$ 

```
for (int i = 1; i <= n; i++) {
    for (int j = 1; j <= i; j++) {
        System.out.print(j + " ");
        }
        System.out.println();
    }
}</pre>
```

```
public static int fibonacciSeries(int n) {
    if (n < 0) {
        System.out.println("Invalid input");
        return -1;
    } else if (n == 0) {
        return 0;
    } else if (n == 1) {
        return 1;
    }
    int a = 0;
    int b = 1;
    int c = 0;
    for (int i = 2; i <= n; i++) {
        c = a + b;
        a = b;
        b = c;
    }
    return c;
}</pre>
```