

```
import java.util.Scanner;

public static void main(String[] args) {
    Scanner input = new Scanner(System.in);
    int f,i;
    System.out.print("Please enter number of factorial : ");
    f = input.nextInt();
    for (i=1;f!=0;f--)
        i=i*f;
    System.out.println(i);
}
```

# 1

```

import java.util.Scanner;

public static void main(String[] args) {
    Scanner input = new Scanner(System.in);

    int a,j,k,e;

    System.out.println(" ");

    a=input.nextInt();

    e = a%2;

    if (e != 0)
    {
        for ( j = 1 ; j <= a; j=j+2) {
            for ( k = 1; k > a + j; k=k+2) {
                }

            for ( k = 0; k < j; k++) {
                System.out.print("*");
            }

            System.out.println();
        }

        for ( j = a-2; j > 0; j=j-2) {
            for ( k = 1; k <= a ; k=k+1) {
                }

            for ( k = 1; k <= j; k++) {
                System.out.print("*");
            }

            System.out.println();
        }
    }

    if(e == 0)

```

```

{
    for ( j = 2 ; j <= a; j=j+2) {
        for ( k = 1; k > a + j; k=k+2) {
            }
        for ( k = 0; k < j; k++) {
            System.out.print("*");
        }
        System.out.println();
    }
    for ( j = a-1; j > 0; j=j-2) {
        for ( k = 1; k <= a ; k=k+1) {
            }
        for ( k = 2; k <= j; k++) {
            System.out.print("*");
        }
        System.out.println();
    }
}

```

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