

4)Program to find Factorial

```
package javaapplication1;

import java.util.Scanner;

/**
 *
 * @author MARTIN ABRAHAM
 */
public class Factorial {

    /**      * @param args the command line arguments
    */
    public static void main(String[] args) {
        // TODO code application logic here
        Scanner soj=new Scanner(System.in);
        System.out.println("enter limit");
        int lim=soj.nextInt();
        int temp=1;
        int i;
        if(lim<0){
            System.out.println("factorial for given number is not defined");
        }
        else if(lim==0){
            System.out.println(temp);
        }
        else if(lim>0) {
            for(i=1;i<=lim;i++){
                temp=temp*i;
            }
            System.out.println("Factorial of given number is "+temp);
        }

    }

}
```

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}
```

Notifications Output - Factorial (run) X

```
run:
enter limit
5
Factorial of given number is 120
BUILD SUCCESSFUL (total time: 2 seconds)
```