

```

20.import java.util.*;

public class DAY3FACTORIAL {
    public static boolean checkNum(String n){
        try{
            int x = Integer.parseInt(n);
            return true;
        }
        catch(NumberFormatException e){
            System.out.println("Enter a Valid Integer");
            return false;
        }
    }
    public static int fact(int n){
        if(n == 0){
            return 1;
        }
        return n*fact(n-1);
    }
    public static void main(String[] Args){
        Scanner sc =new Scanner(System.in);

        System.out.println("Enter N : ");
        String n = sc.nextLine();

        if(checkNum(n)){
            int num = Integer.parseInt(n);
            System.out.println("Factorial : " + fact(num));
        }
    }
}

```

Output

Clear

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java -cp /tmp/iVlRonH1HE DAY3FACTORIAL
Enter N :
6
Factorial : 720
|

```