

```
import java.util.*;
public class facto {
    public static void main(String[] args) {
        Scanner o =new Scanner(System.in);
        int num=o.nextInt();
        if (num==0){
            System.out.println(1);
        }
        else{

            int fact=1;
            int i=1;
            while(i<=num){
                fact=fact*i;
                i++;
            }
            System.out.println(fact);
        }
    }
}
```