

**Find the factorial of n? The output values should verify using white box testing?**

```
import static org.junit.Assert.assertTrue;
import java.util.Scanner;
class factorial
{
    public static void main(String[] args)
    {
        int i,j,pr=1;
        try{
            Scanner s=new Scanner(System.in);
            System.out.println("Enter the number to find the factorial");
            int n=s.nextInt();
            if(n<0)
            {
                System.out.println("Invalid");
            }
            else if(n==0)
            {
                System.out.println("1");
            }
            else
            {
                for(i=n;i>0;i--)
                {
                    pr=pr*i;
                }
                System.out.println("The answer is:"+pr);
                assertTrue(120==pr);
            }
        }
        catch(Exception e)
        {
            System.out.println("Invalid");
        }
    }
}
```

