```
import java.util.Scanner;
class myExceptionf extends Exception
{ private int n;
myExceptionf(int a)
{ n=a; }
public String toString()
{ return "Factorial.Exception:Invalid Input(>15)"; }
}
class factorial
{ public static void main(String args[])
{ Scanner get=new Scanner(System.in);
int n,f=1;
System.out.println("Enter the number for factorial:");
n=get.nextInt();
try
{ if(n>15)
throw new myExceptionf(n);
for(int i=1;i<=n;i++)
f=f*i;
System.out.println(n+"! = "+f);
}
catch(myExceptionf e)
{ System.out.println("Caught: "+e); }
}
}
```

