**Lab 5.1. Throwing an exception**

Start with the code below and complete the getInt method. The method should prompt the user to enter an integer. Scan the input the user types. If the input is not an int, throw an IllegalArgumentException; otherwise, return the int.

import java.util.Scanner;  
  
public class Throwing  
{  
 public static void main(String[] args)  
 {  
 int x = getInt();  
 System.out.println(x);  
 }  
  
 public static int getInt()  
 {  
 // your code goes here  
 }  
}

**Lab 5.2. Catching exceptions**

Copy the program from Lab 5.1 and modify the getInt method, so that it throws an IOException instead of an IllegalArgumentException. Modify the main program so that it catches and prints the IOException.