**package** if\_lab;

**import** javax.swing.JOptionPane;

**public** **class** if\_lab

{

**public** **static** **void** main(String[] args)

{

**int** grade1,grade2,grade3;

String data,name1,name2,name3,prompt;

// Added average and count with the data type, int, below.

**int** average,count=0;

name1=JOptionPane.*showInputDialog*(**null**, "Enter Student #1","Input Data", JOptionPane.***QUESTION\_MESSAGE***);

prompt=name1+"'s grade";

data=JOptionPane.*showInputDialog*(**null**, prompt,"Input Data", JOptionPane.***QUESTION\_MESSAGE***);

grade1=Integer.*parseInt*(data);

name2=JOptionPane.*showInputDialog*(**null**, "Enter Student #2","Input Data", JOptionPane.***QUESTION\_MESSAGE***);

prompt=name2+"'s grade";

data=JOptionPane.*showInputDialog*(**null**, prompt,"Input Data", JOptionPane.***QUESTION\_MESSAGE***);

grade2=Integer.*parseInt*(data);

name3=JOptionPane.*showInputDialog*(**null**, "Enter Student #3","Input Data", JOptionPane.***QUESTION\_MESSAGE***);

prompt=name3+"'s grade";

data=JOptionPane.*showInputDialog*(**null**, prompt,"Input Data", JOptionPane.***QUESTION\_MESSAGE***);

grade3=Integer.*parseInt*(data);

//Mathematical Calculations:

// Found the average grade.

average=(grade1+grade2+grade3)/3;

// Found the count the number of grades that are lower than 70.

**if**(grade1<70) count=count+1;

**if**(grade2<70) count=count+1;

**if**(grade3<70) count=count+1;

//OUTPUT AREA

System.***out***.println("PROGRAM OUTPUT");

// Changed the instructor's name to my name below.

System.***out***.println("Danielle Wicklund");

System.***out***.println("Student #1: "+name1+" grade = "+grade1);

System.***out***.println("Student #2: "+name2+" grade = "+grade2);

System.***out***.println("Student #3: "+name3+" grade = "+grade3);

System.***out***.println("The average grade = "+average);

System.***out***.println("The number of grades under 70 = "+count);

// Found and printed the names of those students who got an A (90 or better).

System.***out***.println("The following students got an A: ");

**if**(grade1>=90)

System.***out***.println(name1);

**if**(grade2>=90)

System.***out***.println(name2);

**if**(grade3>=90)

System.***out***.println(name3);

// Found the highest grade and printed the grade along with the student who got that grade.

**if**((grade1>grade2)&&(grade1>grade3))

System.***out***.println(name1+ " had the highest grade of "+grade1+".");

**else**

**if**((grade2>grade1)&&(grade2>grade3))

System.***out***.println(name2+ " had the highest grade of "+grade2+".");

**else**

System.***out***.println(name3+ " had the highest grade of "+grade3+"!");

System.*exit*(0);

}

}

