package universitystudents;

import javax.swing.JOptionPane;

public class universitystudents

{

public static void main(String[] args)

{

String name, value;

int full\_time\_students, full\_time\_credits;

int part\_time\_students, part\_time\_credits;

int total\_full\_time\_tuition, total\_part\_time\_tuition, total\_tuition;

int total\_enrollment;

double full\_time\_avg,part\_time\_avg;

double percent\_full\_time\_students, percent\_part\_time\_students;

name = JOptionPane.showInputDialog(null,

"Enter the name of your University",

"Input Data", JOptionPane.QUESTION\_MESSAGE);

value = JOptionPane.showInputDialog(null,

"Enter the number of full time students",

"Input", JOptionPane. QUESTION\_MESSAGE);

full\_time\_students=Integer.parseInt(value);

value = JOptionPane.showInputDialog(null,

"Enter the total number of credits full time students are taking",

"Input", JOptionPane. QUESTION\_MESSAGE);

full\_time\_credits=Integer.parseInt(value);

value = JOptionPane.showInputDialog(null,

"Enter the number of part time students",

"Input", JOptionPane. QUESTION\_MESSAGE);

part\_time\_students=Integer.parseInt(value);

value = JOptionPane.showInputDialog(null,

"Enter the total number of credits part time students are taking",

"Input", JOptionPane. QUESTION\_MESSAGE);

part\_time\_credits=Integer.parseInt(value);

// Mathematical calculations:

total\_full\_time\_tuition=full\_time\_credits\*300;

total\_part\_time\_tuition=part\_time\_credits\*300;

total\_tuition=total\_full\_time\_tuition+total\_part\_time\_tuition;

total\_enrollment=full\_time\_students+part\_time\_students;

full\_time\_avg=full\_time\_credits/full\_time\_students;

part\_time\_avg=part\_time\_credits/part\_time\_students;

percent\_full\_time\_students=full\_time\_students\*1.0/total\_enrollment;

percent\_part\_time\_students=part\_time\_students\*1.0/total\_enrollment;

System.out.println("Name of the University: "+name+"\n");

System.out.println("Total number of Full Time students in the University: "+full\_time\_students+"\n");

System.out.println("Total number of Full Time credits: "+full\_time\_credits+"\n");

System.out.println("Average number of Full Time credits: "+full\_time\_avg+"\n");

System.out.println("Total number of Part Time students in the University: "+part\_time\_students+"\n");

System.out.println("Total number of Part Time credits: "+part\_time\_credits+"\n");

System.out.println("Average number of Part Time credits: "+part\_time\_avg+"\n");

System.out.println("Total Full Time tuition: "+total\_full\_time\_tuition+"\n");

System.out.println("Total Part Time tuition: "+total\_part\_time\_tuition+"\n");

System.out.println("Total tuition: "+total\_tuition+"\n");

System.out.println("Total enrollment: "+total\_enrollment+"\n");

System.out.println("The percentage of Full Time students: "+percent\_full\_time\_students+"\n");

System.out.println("The percentage of Part Time students: "+percent\_part\_time\_students+"\n");

System.exit(0);

}

}

