Answer on Question #59495, Programming & Computer Science, Java, JSP, JSF

Condition

Create an application that allows you to enter student data that consists of an ID number, first name, last name, and grade point average. Depending on whether the student's grade point average is at least 2.0, output each record either to a file of students in good standing or those on academic probation. Save the program as StudentStanding.java.

Code

```java
import java.io.*;
import java.util.Locale;
import java.util.Scanner;

public class StudentStanding {
    public static void main(String[] args) throws IOException {
        BufferedReader bufferedReader = new BufferedReader(new
InputStreamReader(System.in));
        Scanner scanner = new Scanner(System.in).useLocale(Locale.US);
        boolean isWorking = true;

        while (isWorking) {
            System.out.print("ID: ");
            int id = scanner.nextInt();

            System.out.print("First name: ");
            String firstName = bufferedReader.readLine();

            System.out.print("Last name: ");
            String lastName = bufferedReader.readLine();

            System.out.print("Grade point average: ");
            double gradePointAverage = scanner.nextDouble();

            System.out.println("Student " + firstName + " " + lastName +
                    " with ID " + id + " have " + gradePointAverage + " grade
point average.");

            if (gradePointAverage >= 2.0) {
                BufferedWriter out = new BufferedWriter(new
FileWriter("D:\\GoodStanding.txt", true));
                out.write("ID: " + Integer.toString(id));
                out.newLine();
                out.write("First name: " + firstName);
                out.newLine();
                out.write("Last name: " + lastName);
                out.newLine();
                out.write("Grade point average: " +
Double.toString(gradePointAverage));
                out.newLine();
                out.newLine();
```

```java
                out.close();
                System.out.println(firstName + " " + lastName + " have grade
point average > 2.0");
                System.out.println("This student was saved to
GoodStanding.txt");
            } else {
                BufferedWriter out = new BufferedWriter(new
FileWriter("D:\\AcademicProbation.txt", true));
                out.write("ID: " + Integer.toString(id));
                out.newLine();
                out.write("First name: " + firstName);
                out.newLine();
                out.write("Last name: " + lastName);
                out.newLine();
                out.write("Grade point average: " +
Double.toString(gradePointAverage));
                out.newLine();
                out.newLine();
                out.close();
                System.out.println(firstName + " " + lastName + " have grade
point average < 2.0");
                System.out.println("This student was saved to
AcademicProbation.txt");
            }
            System.out.println("Continue? y - yes, n - no.");
            System.out.print("Answer: ");
            String answer = bufferedReader.readLine();
            if (answer.equals("y")) {
                System.out.println("");
            } else if (answer.equals("n")) {
                scanner.close();
                isWorking = false;
            }
        }
        System.out.println("Finished");
    }
}
```

Output

ID: 1
First name: FirstName1
Last name: LastName1
Grade point average: 4.5
Student FirstName1 LastName1 with ID 1 have 4.5 grade point average.
FirstName1 LastName1 have grade point average > 2.0
This student was saved to GoodStanding.txt
Continue? y - yes, n - no.
Answer: y

ID: 2
First name: FirstName2
Last name: LastName2
Grade point average: 2.6
Student FirstName2 LastName2 with ID 2 have 2.6 grade point average.
FirstName2 LastName2 have grade point average > 2.0
This student was saved to GoodStanding.txt
Continue? y - yes, n - no.
Answer: y

ID: 3
First name: FirstName3
Last name: LastName3
Grade point average: 1.4
Student FirstName3 LastName3 with ID 3 have 1.4 grade point average.
FirstName3 LastName3 have grade point average < 2.0
This student was saved to AcademicProbation.txt
Continue? y - yes, n - no.
Answer: n
Finished