

Assignment #8

The records of the students enrolled in a hypothetical computer science class, along with all the relevant information, are kept in the data file *classLis.txt*

Design and implement a java program named **CSCourseInformation** to facilitate access to the student records.

The following is a screen sample of the **CSCourseInformation** program:

Please enter:

1. To display a specific student's record.
2. To calculate the final exam average.
3. To find a student with the highest score on the final exam.
4. To copy the students' record to another file.
5. To terminate the program.

1

Please enter the student's name: **Annette Adams**

Name: Annette Adams

ID: 18273640

Final: 98

Please enter:

1. To display a specific student's record.
2. To calculate the final exam average.
3. To find a student with the highest score on the final exam.
4. To copy the students' record to another file.
5. To terminate the program.

1

Please enter the student's name: **Mark Smith**

No match

Please enter:

1. To display a specific student's record.
2. To calculate the final exam average.
3. To find a student with the highest score on the final exam.
4. To copy the students' record to another file.
5. To terminate the program.

2

The final exam average is: 80.43478

Please enter:

1. To display a specific student's record.

2. To calculate the final exam average.
3. To find a student with the highest score on the final exam.
4. To copy the students' record to another file.
5. To terminate the program.

3

The student with highest score to the final exam:

Name: Aleksei Titov

ID: 92839443

Final exam score: 99

Please enter:

1. To display a specific student's record.
2. To calculate the final exam average.
3. To find a student with the highest score on the final exam.
4. To copy the students' record to another file.
5. To terminate the program.

4

Please enter the file name:

ClassListCopy.txt

Please enter:

1. To display a specific student's record.
2. To calculate the final exam average.
3. To find a student with the highest score on the final exam.
4. To copy the students' record to another file.
5. To terminate the program.

5

Program terminates

The **classList.txt** file has been created for you.

Marking Scheme

[10 marks] Presentation/Style: Organization, readability, descriptive identifier, indentation, bracket placement

[80 marks] Correctness: Program works without bugs. Use of appropriate methods.

[10 marks] Comments