Safauldeen, Raghad 1001417235

Part 1:

NOTE: Dr. Tiernan told me to replace the tabs with spaces in the files student1.txt, and student2.txt

Please see the file with the other parts in lab7SafauldeenR

In part 1.d) , 1.e), and 1,f) I used the file student2.txt with tabs

1.a.i) Please see the code *Lab7Part1a.java* and the attached file student1.txt

1.a.ii) Please see the code *Lab7Part1a.java* and the attached file student1.txt

1.a.iii) Please see the code *Lab7Part1a.java* and the attached file student1.txt

1.a. iv) Please see the code *Lab7Part1a.java* and the attached file student1.txt

1.b)

At the beginning before Dr. Tiernan told as to make input check for each data, the next happened:

Crash because there are no number of GPA, so it takes the number of the other parts of the file instead, and then the account miss match the data "InputMismatchException"

Now I delete this line " Baysinger, Aerina 1343413724 CS FR 081687 18 0"

Crash because there are no number for totalUTAhours, "InputMismatchException"

" Williams, Tyler 1344513230 CSE FR 112785 3.25 0"

Crash because "InputMismatchException", there is no totalUTAhours, so it takes the number of the other parts of the file instead, and then miss match the data. Now I delete this line:

" Williams, Tyler 1344513230 CSE FR 112785 3.25 0

Crash because "InputMismatchException", there is no classYear which it is String, so it takes the number of the other parts of the file instead, and then the classYear miss match the data. Now I delete this line:

" Alabedredha, Jola 1347954864 CSE 051799 3.692 124 -14"

Crash because "InputMismatchException", there is no last name at the beginning of the line."Ryan 1341958704 SE SR 092998 1.333 109 5"

Crash because "InputMismatchException", there is no coma after the last name' delete this line:

" Sawall Bakary 1350280291 CS SO 072699 3.5 36 0"

Crash because "InputMismatchException", there is no last name at the beginning of the line.

delete this line:

", Francisco 1342065505 PHYS SR 053195 3.5 95 -15.45"

Crash because "InputMismatchException", there is no major. I delete this line:

" Lewis, Leko 1345535643 SR 121698 3.636 98 0"

Crash because "InputMismatchException", there is no String for major, delete this line:

"Lewis, Leko 1345535643 SR 121698 3.636 98 0 "

Crash because "InputMismatchException", there is two majors, so delete this line:

" Kurhan, At'Lantic 1344718432 CS MATH SO 060695 3 32 0"

But now after Dr. Tiernan told us by the e-mail to check each input, it does not crash, and skip all the incorrect data

1.c)

NOTE: I used the file student2 after replacing the tabs with spaces

Please see the file with the other parts in lab7SafauldeenR.

1.c.i) Please see the code *Lab7Part1c.java* and the file student2.txt

1.c.ii) Please see the code *Lab7Part1c.java* and the file student2.txt

1.c.iii) Please see the code *Lab7Part1c.java* and the file student2.txt

1.c.iv) Please see the code *Lab7Part1c.java* and the file student2.txt

1.c.v) Please see the code *Lab7Part1c.java* and the file student2.txt

1.c.vi) Please see the code *Lab7Part1c.java* and the file student2.txt

1.d)

NOTE: I used the file student2.txt with tabs

1.d.i) Please see the code *Lab7Part1d.java*

1.d.ii) Please see the code *Lab7Part1d.java*

1.d.iii) Please see the code *Lab7Part1d.java*

1.d.iv) Please see the code *Lab7Part1d.java*

1.d.v) Please see the code *Lab7Part1d.java*

1.d.vi) Please see the code *Lab7Part1d.java*

1.e)

One good way to store the data is in 2-D arrays. Data types of the arrays are string, long, and double.

The other method is by a 1-D array for each column of data. String array for last name, string array for first name, long array for utaID, string array for the class year, string array for major, integer array for date of birth, double array for GPA, integer array for total class hours, and double array for student account.

1.f.)

NOTE: I used the file student2.txt with tabs

1.f.i) Please see the code *Lab7Part1f.java*

1.f.ii) Please see the code *Lab7Part1f.java*

1.f.iii) Please see the code *Lab7Part1f.java*

1.f.iv) Please see the code *Lab7Part1f.java*