

Input/output Review

1. Write a Java program with a JavaFX GUI interface. It will allow the user to click on a button called ADD to add a name and an id number into a text file with both items on its own line. These two data items must be captured from two separate text fields. When a display button is clicked, all the data entered so far in the file will be displayed in a text area.
2. Design a class that has a static method named writeArray. The method should take two arguments: the name of a file and a reference to an int array. The file should be opened as a binary file, the contents of the array should be written to the file, and then the file should be close.
Write a second static method in the class name readArray. The method should take two arguments: the name of a file and a reference to an int array. The file should be opened, data should be read from the file and stored in the array, and then the file should be closed. Demonstrate both methods in a program using JavaFX GUI.
3. Write a Java program with a JavaFX GUI interface. It will allow the user to enter the following information about a student: FirstName, LastName, Id, phone, address, major, and GPA. The information will be collected to create a student object. A user can create as many objects as he likes. When he clicks on the "SAVE" button, all these objects will be saved onto a binary file. When he restart the program, he just needs to click on the "LOAD" button. By doing so, all the objects will be loaded back into memory so the user can add more objects and save them together with pre-existing objects into the same file.
4. Modify the previous program so the user can search, delete, and display any existing object in the file by the object's id number.