**File I/O**

*Into your Student Driver:*

At the top of your Student Driver:

import util.io.\*;

Inside your menu:

Add ‘R’ option: //read file

students = readFile(students);

Add ‘W’ option: //write file

writeFile(students);

After your other methods add this code:

public static Student[] readFile(Student students[])

 {

 try

 {

 File file = new File("student.dat"); //creating buffer streams to student file

 FileInputStream fileInStream = new FileInputStream(file);

 ObjectInputStream objInStream = new ObjectInputStream(fileInStream);

 students = (Student[])objInStream.readObject(); //reading student from file and putting it in the array

 objInStream.close(); //closing streams

 fileInStream.close();

 }

 catch (java.io.FileNotFoundException e)

 {

 System.out.println(e);

 }

 catch (Exception ex) //shortcut to catch rest of exceptions

 {

 System.out.println(ex);

 }

 return students; //returning read array value

 } //end read

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 \* Write file Method

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 public static void writeFile(Student students[])

 {

 try

 {

 File file = new File("student.dat"); //creating buffer streams to student file

 FileOutputStream fileOutStream = new FileOutputStream(file);

 ObjectOutputStream objOutputStream = new ObjectOutputStream(fileOutStream);

 objOutputStream.writeObject(students); //writing student to file

 objOutputStream.close(); //closing streams

 fileOutStream.close();

 }

 catch (java.io.FileNotFoundException e)

 {

 System.out.println(e);

 }

 catch (Exception ex) //shortcut to catch rest of exceptions

 {

 System.out.println(ex);

 }