**ICS 4U: Java Practical Test**

**Name(s):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Instructions:**

Download the file dataFile2D.

Write a program that will read the data in the file into a 2D array.

Provide a menu to allow a user to do any of the following:

1. Provide a means for a user to input a row and column number.

2. Display the data in the cell assigned to that row and column number.

3. Display the entire table of data in a nicely formatted output.

4. Allow the user to enter a full name and then display the email associated with that entry.

5. Allow a user to enter an id number and then display all info associated with that id.

After each selection in the menu provide the appropriate response and then give the user the option of returning to the menu or quitting.

Note: You can only use the classes taught in class i.e. FileReader, BufferedReader, Scanner, String etc.

Fully document each line of code. Make sure every member of your group is able to explain each line if questioned.

**Due Date**: Tomorrow by the end of class.

Each additional day=-**2%**.

Java Practical 1 Name(s):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Marking Scheme**

Menu Displayed +5 Marks

Option 1 Successfully Completed +5 Marks

Option 2 Successfully Completed +5 Marks

Option 3 Successfully Completed +5 Marks

Option 4 Successfully Completed +5 Marks

Option 5 Successfully Completed +5 Marks

Return or Quit Option +5 Marks

Documentation/Responses +5 Marks

**Total 40 Marks TI**

**Submission Instructions:**

Zip your project. Rename it using the format: fullNameJavaPractical1.zip. Upload it to SEBNIC. Alternatively, have your teacher sit down and mark it with you.