SWE 206

LAB 1

Lab topic: Introduction
Section No: 52
Groups members:
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REQUIREMENTS:

- The program should generate groups with random students.

- Create groups with a specific size.

- Create specific numbers of groups.

- Add the rest of the students to a randomly chosen group.

DESIGN:

- Initialize an empty ArratList to have the names.

- Read the file and add it to the ArrayList.

- Create a 'fixedSizeGroups' method that has our 'ArrayList' and the size of each group as an argument.

- Create a 'fixedNumberGroups' method that has our 'ArrayList' and the number of groups as an argument.

TESTING:

CHOICE 1: CREATING A SPECIFIC NUMBER OF GROUPS.

CHOICE 2: CREATING GROUPS WITH A FIXED NUMBER OF STUDENTS.

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Enter the path of the list file: U:\\Term222{ICS202-SWE206-ISE291-MATH208-GS332}\\SWE206\\SWE-206\\Labs\\Lab1\\List.txt
Enter the way of distributing students:
  1) By a fixed number of groups.
  2) By a fixed maximum students.
Choice: 1
Enter the number of groups: 6
[[Ismail, Jasser], [Ahmad, Gamal], [Hamad, Naif], [Mohammed, Kamal], [Faisal, Bader], [Dawwd, Qassim, Rabeh, Sami, Tala, Yusuf]]
PS C:\Users\hamad>  & 'C:\Program Files\Java\jre1.8.0_351\bin\java.exe' '-cp' 'C:\Users\hamad\AppData\Local\Temp\vscodesws_86463\j
Enter the path of the list file: U:\\Term222{ICS202-SWE206-ISE291-MATH208-GS332}\\SWE206\\SWE-206\\Labs\\Lab1\\List.txt
Enter the way of distributing students:
  1) By a fixed number of groups.
  2) By a fixed maximum students.
Choice: 2
Enter the maximum number of students: 5
[[Sami, Qassim, Jasser, Naif, Hamad], [Kamal, Yusuf, Gamal, Ahmad, Tala], [Rabeh, Bader, Ismail, Mohammed, Dawwd], [Faisal]]
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