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| **Lab Exercise 1 – August 2021** | | | | | | | | |  | |
| Programme | | | : | BTech | Semester | : | FS 2021-22 | | | |
| Course Title | | | : | Foundations of Data Analytics | Code | : | 3505 | | | |
| Class Nbr(s) | : | CH2020211001158 | | | |
| Faculty(s) | | | : | Dr. B. Radhika Selvamani | Slot |  | L33+L34 | | | |
| Date | | | : | 16/8/2021 |  |  |  | | | |
| **Introduction to Java and NetBeans Development Environment**  **Question A** | | | | | | | | | |  |
| **Q.No.** | | **Question Description** | | | | | | **Marks** | | | |  |
|  | **1.a** | Read the given table. Print the number of rows and colums. Order the table based on section.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Student | Section | Test1 | Test2 | Final | |  |  |  |  |  | | | | | | | **2** | | | |
| **b.** | Remove all duplicates and display the rows and columns | | | | | | **2** | | | |
| **c.** | Transform the student scores table given below and perform the following transformations.  The students have been conducted two tests and a final exam. The weightage for Test 1&2 are 25 each. The weightage for the final exam is 50. Add columns for the updated test1, test2 and final exam by normalizing them according to their respective weights. | | | | | | **2** | | | |
| **d.** | Sum the normalized colums to obtain the TotalMarks out of 100. Calculate the mean of the total marks. | | | | | | **2** | | | |
| **e.** | Add a new column Grade which splits the students into three categories and label them as Above Average (AA), Below Average (BA), Fail(FAIL). Note that students below 50 are considered FAIL. | | | | | | **2** | | | |