

953212 DB SYS & DB SYS DESIGN 65/1

(Lab1) Dealing with traditional file with Java (5 points)

FirstName_____Lastname_____student ID_____

In this lab, you are going to apply your programming and problem-solving skills to generate small report from one given file, namely QS world University Ranking 2017.csv

Information about data are describes as follows:

Part 1) Data Set Information and Attribute Information:

- 1) (1 point) What are the meta data for the given data? please list all
- 2) (1 point) List all the data type of each attribute.

Part 2) Basic descriptive with Java

- 1) (1 point) Write a Java program to open, read, and close the given CSV file.
- 2) (1 point) Insert Chiang Mai University to the record in year 2017

More info can be found here:

<https://www.topuniversities.com/universities/chiang-mai-university>

- 3) **[Extra credit]** What problem have you found when you are dealing with the tradition database files? Explain in detail? (e.g., domain integrity, NULL values, etc.) (2 points)

Submission

Submit your Java source code Main.java, UniData.java to MSteam under Lab1.

You can write Part 1 answer in your Main.java using comment.

Late submission -2