



Final (CSE311L Section 2 – Fall'20)

Department of Electrical and Computer Engineering

School of Engineering and Physical Sciences

North South University, Bashundhara, Dhaka-1229, Bangladesh

Instructions and Notes -

1. For this Final, create a separate DB named **"Final-Su"** using VS Code.
2. For all table data and Schema, refer the **Schema_A11.pdf**.
3. You have to create, insert each table value using **"VS Code"** or **"Xampp"**. You must have to **test your connection**.
4. After creating and inserting the table, you can use **Xampp/Local Host PHP Admin** to answer the questions.
5. No need to write answer in this pdf, submit your **code** and **full window screenshot** in each question folder mentioning the question number. Without the screenshot, you'll get **50%** marks.
6. For VS code, submit the **".php"** Extension file and for Xampp file, use **the Query results operations -> print** option to generate pdf file, rename the file according to answer number and submit.

Question 1:

Consider the following relations between - **Student**, **Department**, **Course** and **Class** (See - **Schema_All.pdf**). Write the following queries in SQL. **No duplicates should be printed in any of the answers.**

- I. Print the names of the oldest students who are in **History** and registered in a class taught by 'Ivana Teach'.
- II. Print the students name who are registered in 2 classes at the same time.
- III. Print all the name of the students who are enrolled in the maximum no of course/class.
- IV. Print the students name who are not registered in any class/course.

Question 2:

Consider the following relations between - **Provider**, **Goodies** and **Stock** (See - **Schema_All.pdf**). Write the following queries in SQL. **No duplicates should be printed in any of the answers.**

- I. Print the names (snames) of the "Provider" who supply every goodies.
- II. Print the "pnames" of goodies supplied by only "Acme Widget".
- III. Print the "sids" of provider who supply only "red" goodies.
- IV. Print the name of the "provider" who only gives the "green parts" and "red parts".
- V. The provider who gives "green parts" print the provider name and the total number of goodies/parts the provider supplies.
- VI. For every goodies, print the "sname" of the provider who charges the most for the goodies.