

CS3095 DBMS Lab
Exercise No: 5
Date of Announcement: 28/10/2020
Due Date: 02/11/2020
Marks: 10

Submission: 01 (03Marks)

For the Web portal design problem given in Exercise #2, apply normalization theory and normalize the relations into 1NF, 2NF, & 3NF. You may use the tables designed by you as part of Exercise #3. Please note that you may alter the tables (used in Exercise #3) by adding necessary attributes and tuples (minimum 5 tuples), so as to justify the normalizations.

You should explain 1NF, 2NF, & 3NF with the help of these tables, with proper justification regarding functional dependencies. Note that you have to justify each of the three normal forms, and you may alter the tables in Exercise #3 accordingly.

Note: Students are requested to take care of the following points:

1. Save the solution document as single pdf file. File name format:
RegNumberYourNameExerciseNo.pdf Example: B190585CSJohnE01.pdf
2. Submit the pdf file to Eduserver before the deadline (02.11.2020, 23.59 PM). (No further extension will be entertained.)
3. Late submission may incur a penalty of -0.5 marks.
4. Evaluation will not be conducted for those who did not submit their solution within the stipulated time
5. Viva (Interactions) will be conducted through WebEx/google meet. (Share your screen and show your execution as per evaluator's instructions, if needed.)
6. Due to unpredictable situations, students who cannot appear for online viva sessions may get a chance to attend the oral viva through mobile phones. **Note:** Only genuine cases will be entertained, and students will have to get prior permission from faculty.
7. Google meet link/Eduserver & Join meeting link, and evaluators' details will be sent to the students one day earlier.
8. Please take snapshots of all the executions and put them in a word file, and then save it as a pdf file for submission (along with it, you should write the justification on each notation)

*****All the best*****

Tentative Plan of Evaluation

Sl.No	Task	Details	Marks
1	Submission	Timely Submission	01
2	Submission of Report (02.11.2020, 23.59PM) Based on the question posted in Eduserver (28.10.2020)	<ol style="list-style-type: none"> 1. Modify tables (if needed) in the Database (based on your Exercsie #3) and insert at least 5 tuples in each. 2. You should explain the normalization functions, 1NF, 2NF, & 3NF with suitable relations. 3. You should explain the normalization functions with proper justification regarding dependencies (Writeup). 4. Upload the pdf file to Eduserver before the deadline (02.11.2020, 23.59 PM) 	03
3	Evaluation–I (on 03.11.2020)	<ol style="list-style-type: none"> 1. The lab team will post the question to you on 03.11.2020 at 1.30PM, and you can take 45 minutes to upload the solution script in Eduserver (file format: pdf file). 2. Evaluation will not be conducted for those who don't submit their solutions on time (late submissions are not allowed to participate in viva). 	03
4	Evaluation–II (on 03.11.2020)	Based on the submission, viva will be conducted for students (schedule will be circulated later).	03
