CS3095D DBMS Lab

Exercise No: 05

Total Marks: **05**   Date of announcement: **22.09.2021**   Due date: **27.09.2021**

For the *cloud storage management system* 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. Also, diagrammatically show all the dependencies existing in the current and new system.

Plan of Evaluation

Sl. No.	Task	Details	Marks
1	Submission of report before (27.09.2021, Monday, 23.59) based on the question given above	i). Evaluation will be done based on your submitted document. ii). Late submission may incur a penalty of -0.5 marks. iii). Evaluation-II will **not** be conducted for those who did not submit their report within the stipulated time.	1
2	Evaluation – I (On 28.09.2021, Tuesday.)	i). The lab team will post the question to you on 28.09.2021 at 2.00 PM, and you can take 15 minutes to upload the solution script in Eduserver (file format: pdf file). ii). Evaluation- II will **not** be conducted for those who did not submit their solutions on time. iii). Late submissions are also not allowed to participate in viva.	2
3	Evaluation – II (On 28.09.2021, Tuesday.)	Based on the submissions, viva will be conducted for those students who have submitted **both** exercise 5 and Evaluation I. Schedule will be circulated later.	2

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