

## Lab 6A - 3NF Exercise

Reference: Page 83 of the work book (given as 6B)

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### Objective

1. Bring table 4.3 page 41 to 3NF. (country-city table)
2. Draw a logical ERD. File->New Model. The Dialog box that opens has Physical Model by default - choose the third tab for logical model. Please note that the logical model will not have foreign keys or associative entities.
3. Create a new database Lab6A.
4. Write DDL statements for the 3NF. Test and run the statements in Lab6A.
5. Write DML statements, i.e write INSERT statements for the data in table 4.3 page 41. Test and run the statements.

### Requirements

1. Verify the number of rows in each table. Show your results to the lab instructor to obtain marks for the lab.
2. DDL should have all prime key and foreign constraints. Use DROP statements at the beginning of the file.
3. DML statements should run. Use DELETE statements at the beginning of the .sql file

### Submission:

Upload the logical ERD .PNG

Upload the DDL and DML .sql files.

*Note: We will not be doing Reverse Engineering, Joins and Views mentioned in Page 83 of the work book in the lab hour. We will discuss about it during the lecture on March 5<sup>th</sup>*