

Example Database for Exercise 2 and 3

- b) Which indexes are only on one column (i.e. which indexes have only one entry in USER_IND_COLUMNS)? Print the name of the index, the name of the table, and the column name. In the given example, the query result should be:

INDEX_NAME

- e) Define a view which contains table name, column name, and ID of all columns which are not contained in any index. Again, ID is the column number in the table, and

- f) Use the views defined in d) and e) in a query which lists all columns (table name, column name, ID) together with an indication whether the column is indexed or not. I.e. you should print \Y" for the columns listed in the view d) and \N" for the columns listed in the view e). Please sort the output by table name and column ID.

TABLE_NAME	COLUMN_NAME	COLUMN_ID	INDEXED
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Exercise 4 (FDs, BCNF)**6 Points**

Let us consider again the table USER_IND_COLUMNS from the data dictionary. It is actually a view, so normalization is not important for it, but for the sake of this exercise, let us assume that it is a base table.

Results (To be Filled Out by the Instructor):

Exercise	Points	Max Points