

## CENG364 – Database Applications

### Assignment 4 (Due: Fri. Dec. 18 at 23:59:59, submit to LMS)

#### Notes:

You must complete all assignments **on your own**.

You are required to put screenshots **for both your queries and the results** for all questions.

**Warning: Always read the entire question. You will lose points if you miss something.**

#### Modifying and Deleting Tables

1. Write a statement to create the `NEW_EMP` table based on the following specifications.

Column Name	ID	LAST_NAME	FIRST_NAME	DEPT_ID
Key Type	Primary			Foreign
Nulls/Unique	Not Null and Unique			
FK Table				Departments
FK Column				DEPT_ID
Data Type	NUMBER	VARCHAR2	VARCHAR2	NUMBER
Length	7	25	25	7

2. Write a statement to modify the `NEW_EMP` table such that last names can not be null and have up to 70 characters instead of 25.

3. Write a statement to delete the `NEW_EMP` table.

4. Write a statement to restore the `NEW_EMP` table to a state before its deletion.

5. Write a statement to mark the `LAST_NAME` column as `UNUSED`.

6. Write a statement to remove all `UNUSED` columns.

7. Write a statement to modify the `NEW_EMP` table and add a `RAISE` column of the `NUMBER` data type, precision 3, scale 2. Add a constraint to the `RAISE` column ensuring that a raise value is not null.

8. Write a statement to drop the `NEW_EMP` table so that it cannot be restored.