**Bahria University, Lahore Campus**

Department of Computer Sciences

Lab Journal 03

**(Fall 2023)**

| Course: | **Database Management System Lab** |  |
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| Course Code: | CSL 220 | Max Marks: |
| Faculty’s Name: | Maryam Munawar | Lab Engineer: |



Name: \_AFFAN AHMAD Enroll No: \_03-134221-003\_



**Objectives**

* CREATE - to create objects in the database
* ALTER - alters the structure of the database
* DROP - delete objects from the database
* TRUNCATE - remove all records from a table, including all spaces allocated for the records are removed

**Task 1 3 Minutes**

1. Write a SQL statement to create a simple table countries including columns country\_id,country\_name and region\_id.
2. Write a SQL statement to create a table countries set a constraint NUL
3. Write a SQL statement to create a table named Location including columns loc\_id, Loc\_title, min\_salary, max\_salary

**CREATE TABLE countries128 (**

country\_id VARCHAR(2) primary key,

**country\_name VARCHAR(50) null,**

**region\_id NUMBER**

**);**

**CREATE TABLE Location128 (**

loc\_id NUMBER primary key ,

**Loc\_title VARCHAR(50) null,**

**min\_salary NUMBER,**

**max\_salary NUMBER**

**);**

**Task 2 3 Minutes**

1. Write a SQL statement to add column in the table countries to country\_new\_id
2. Add column location.
3. Write a SQL statement to add a column region\_id to the table locations
4. Write a SQL statement to add a columns ID in the table locations
5. Write a SQL statement to add a column region\_id after state\_province to the table locations

**1 : ALTER TABLE countries128**

**ADD country\_new\_id VARCHAR(2);**

**2: ALTER TABLE countries**

ADD location VARCHAR(50);

**3: ALTER TABLE locations**

ADD region\_id NUMBER;

4: ALTER TABLE locations

ADD ID NUMBER;

5: ALTER TABLE locations

ADD region\_id NUMBER AFTER state\_province;

**Task 3 3 Minutes**

1. Write a SQL statement to drop the column city from the table locations
2. Delete Std\_current\_semester column from table
3. Drop column region\_id

**1: ALTER TABLE locations**

**DROP COLUMN city;**

**2: ALTER TABLE student**

DROP COLUMN Std\_current\_semester;

ALTER TABLE countries128

DROP COLUMN region\_id;

**Task 4 3 Minutes**

1. Write a SQL statement to drop column ID from table Location
2. Write a query to delete all data from table location
3. Write a query to delete all data from table Country
4. Delete table Country
5. Delete table Location

**1: ALTER TABLE Location**

**DROP COLUMN ID;**

**2: DELETE FROM Location;**

3: DELETE FROM Country;

4: DROP TABLE Country;

5: DROP TABLE Location;

**Lab Grading Sheet :**

| **Task** | **Max Marks** | **Obtained Marks** | **Comments(*if any*)** |
| --- | --- | --- | --- |
| 1. | 3 |  |  |
| 2. | 3 |  |  |
| 3. | 3 |  |  |
| 4. | 3 |  |  |
| 5. | 3 |  |  |
| **Total** | **15** |  | **Signature** |

**Note : Attempt all tasks and get them checked by your Lab. Instructor**