



UNIVERSITY OF  
SINDH

**Assignment Of**  
**ITEC-515 DB Administration &**  
**Management**  
**Practice Task-6**

**Submitted By:**

**Mubashir Ali S/O**

**Mansoor Ali**

**(2k20/ITE/73) Group(A)**

**Submitted To:**

**Sir.Kamran Dahi**

**Professor Dept:**

**Information Technology**

## Lab Practice 6– Database Systems

### Practice Question 1

Alter the **DEPT** table and add column in **Department\_location** in **DEPT** table

See output below

DEPT

ID	Name
Length (7) Number	Length(25) varchar

Answer:

Describe DEPT;

DEPT

ID	Name	Department_location
Length (7) Number	Length(25) varchar	Length(30) varchar

Answer:

ALTER TABLE DEPT

ADD Department\_location NUMBER(30);

Describe DEPT;

### Practice Question 2

Alter the **EMP** table and add two columns **job\_id** and **salary** in **DEPT** table

See output below

EMP Table Before Adding new Column

ID	Last_Name	First_Name	DEPT_ID
Length (7) Number	Length(25) varchar	Length(25) varchar	Length(7) number

**Answer:**

Describe EMP;

**After Alteration EMP Table**

ID	Last_Name	First_Name	DEPT_ID	Job_id	Salary
Length (7) Number	Length(25) varchar	Length(25) varchar	Length(7) number	Length(20) varchar	Length Number(11)

**Answer:**

ALTER TABLE EMP

ADD Job\_id Varchar(20);

ALTER TABLE EMP

ADD Salary Number(11);

Describe EMP;

**Practice Question 3**

Write Query to delete **Department\_location** coloumn from **DEPT** table.

**See output below**

Before Deletion

DEPT

ID	Name	Department_location
Length (7)    Number	Length(25)    varchar	Length(30) varchar

**Answer:**

DESCRIBE DEPT;

**After Deletion**

DEPT

ID	Name
Length (7)    Number	Length(25)    varchar

**Answer:**

ALTER TABLE DEPT

DROP COLUMN Department\_location;

DESCRIBE DEPT;

**Practice Question 4**

Write query to rename **DEPT** table to **New\_Departments** table

**Before Rename**

DEPT

ID	Name
Length (7)    Number	Length(25)    varchar

**Answer:**

Describe DEPT;

**After Rename**

New\_Departments

ID	Name
Length (7)    Number	Length(25)    varchar

**Answer:**

RENAME DEPT TO New\_Departments;

Describe New\_Departments;

**Practice Question 5**

Write Query to truncate all data from **EMP1** Table .

**Answer:**

```
TRUNCATE TABLE EMP1;
```

**Practice Question 6**

Write Query to delete table structure and all data.

**Answer:**

```
DROP TABLE Table_Name;
```

**Practice Question 7**

Write Query to Create the EMPLOYEES2 table based on the structure of the EMPLOYEES table.

**Include only the EMPLOYEE\_ID, FIRST\_NAME, LAST\_NAME, SALARY, and DEPARTMENT\_ID columns.**

**Answer:**

```
CREATE TABLE employees2 AS  
SELECT employee_id, first_name, last_name, salary,  
department_id  
FROM employees;
```

**Practice Question 8**

Rename the EMPLOYEES2 table as EMP.

**Answer:**

```
RENAME employees2 TO emp;
```

### **Practice Question 9**

Add comments to the **DEPT** and **EMP** table definitions describing the tables.

\*Use describe to see the comments

### **Answer:**

COMMENT ON TABLE Emp IS 'Employee Information';

COMMENT ON TABLE dept IS 'Department Information';

Describe Emp;

Describe Dept;

### **Practice Question 10**

Drop the FIRST\_NAME column from the EMP table.

\*See table schema to confirm that column has been deleted.

### **Answer:**

ALTER TABLE EMP

DROP COLUMN FIRST\_NAME;

DESCRIBE EMP;

**THE END**