

Lab Assignment No-05

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Date of Experiment: 14/08/2020	Date of Submission: 24/11/2020
Grade :	

1. Create a table DEPT with two attributes

CREATE TABLE DEPT

```
(  
    Dept_id      number PRIMARY KEY,  
    Dept_name    varchar(10),  
    Dept_location number  
);
```

Ans:

```
1 CREATE TABLE DEPT  
2  
3     Dept_id      number PRIMARY KEY,  
4     Dept_name    varchar(10),  
5     Dept_location number  
6 )
```

Table created.

2. Create a table EMP with the following attributes.

CREATE TABLE EMP

```
(  
    Emp_id      number PRIMARY KEY,  
    Last_name   varchar(25),  
    First_name  varchar(25),  
    Address     varchar(25)  
);
```

Ans:

```
1 CREATE TABLE EMP  
2  
3     Emp_id      number PRIMARY KEY,  
4     Last_name   varchar(25),  
5     First_name  varchar(25),  
6     Address     varchar(25)  
7 );
```

Table created.

3. Create a table LOC with the following attributes.

```
CREATE TABLE LOC
(
    Loc_id number PRIMARY KEY,
    Loc_name varchar(25)
);
```

Ans:

```
1 CREATE TABLE LOC
2
3     Loc_id number PRIMARY KEY,
4     Loc_name varchar(25)
5 );
```

Table created.

4. Add a new column DEPT_ID to the EMP table.

```
ALTER TABLE EMP ADD dept_id number;
```

Check that the column has been added, by displaying the structure of the table

Ans:

```
1 ALTER TABLE EMP ADD dept_id number;
```

Table altered.

```
1 select * from emp
```

EMP_ID	LAST_NAME	FIRST_NAME	ADDRESS	DEPT_ID
0	null	null	null	0

DEPT_ID Added

5. Add a foreign key constraint to EMP table on the attribute DEPT_ID

```
ALTER TABLE EMP ADD CONSTRAINT emp_fk FOREIGN KEY (dept_id)
references dept(dept_id)
```

Ans:

```
1 ALTER TABLE EMP ADD CONSTRAINT EMP_FK FOREIGN KEY (DEPT_ID) REFERENCES DEPT(DEPT_ID)
```

Table altered.

6. Rename the table EMP to MY_EMP

```
ALTER TABLE EMP RENAME TO MY_EMP
```

Check that the table has been re-named. There should not be any table by the name EMP

Ans:

```
1 ALTER TABLE EMP RENAME TO MY_EMP
```

Table altered.

```
1 SELECT
2   TABLE_NAME
3 FROM
4   USER_TABLES
```

TABLE_NAME
MY_EMP

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7. Confirm that the constraints were created on the tables EMP and DEPT by querying the data dictionary view USER_CONSTRAINTS.. Note the type and names of the constraints.

Ans:

SELECT * FROM USER_CONSTRAINTS

OWNER	CONSTRAINT_NAME	CONSTRAINT_TYPE	TABLE_NAME	SEARCH_CONDITION	SEARCH_CONDITION_VC	R_OWNER	R_CONSTRAINT_NAME	DELETE_RULE	STATUS	DEFERRABLE	DEFERRED	VALIDATED	GENERATED	NO	RELY	LAST_CHANGE	INDEX_OWNER	INDEX_NAME	INVALID	VIEW_RELATED	DISABLED_CON_ID
SQL_GLOKSGELVMPNDEEHRHODGBNS	SYS_C0835294433	P	DEPT	-	-	-	-	-	ENABLED	NOT DEFERRABLE	IMMEDIATE	VALIDATED	GENERATED NAME	-	-	06-AUG-20	SQL_GLOKSGELVMPNDEEHRHODGBNS	SYS_C0835294433	-	-	3
SQL_GLOKSGELVMPNDEEHRHODGBNS	SYS_C0835294445	P	MY_EMP	-	-	-	-	-	ENABLED	NOT DEFERRABLE	IMMEDIATE	VALIDATED	GENERATED NAME	-	-	06-AUG-20	SQL_GLOKSGELVMPNDEEHRHODGBNS	SYS_C0835294445	-	-	3
SQL_GLOKSGELVMPNDEEHRHODGBNS	SYS_C0835294448	P	LOC	-	-	-	-	-	ENABLED	NOT DEFERRABLE	IMMEDIATE	VALIDATED	GENERATED NAME	-	-	06-AUG-20	SQL_GLOKSGELVMPNDEEHRHODGBNS	SYS_C0835294448	-	-	3
SQL_GLOKSGELVMPNDEEHRHODGBNS	EMP_FK	R	MY_EMP	-	-	SQL_GLOKSGELVMPNDEEHRHODGBNS	SYS_C0835294433	NO ACTION	ENABLED	NOT DEFERRABLE	IMMEDIATE	VALIDATED	USER NAME	-	-	06-AUG-20	-	-	-	3	

8. Drop the table DEPT

Ans:

Table dropped

9. Drop the table MY_EMP

Note your observations when dropping the tables

Ans:

Table dropped