

|                  |            |                                 |
|------------------|------------|---------------------------------|
| <b>Ex.No.: 4</b> |            | <b>WORKING WITH CONSTRAINTS</b> |
| <b>Date:</b>     | 10/08/2024 |                                 |

- 1) Add a table-level PRIMARY KEY constraint to the EMP table on the ID column. The constraint should be named at creation. Name the constraint my\_emp\_id\_pk.

```
alter table EMP1 add constraint my_emp_id_pk
PRIMARY KEY(ID);
```

- 2) Create a PRIMAY KEY constraint to the DEPT table using the ID colum. The constraint should be named at creation. Name the constraint my\_dept\_id\_pk.

```
alter table DEPT
add constraint my_dept_id_pk PRIMARY KEY(ID);
```

- 3) Add a column DEPT\_ID to the EMP table. Add a foreign key reference on the EMP table that ensures that the employee is not assigned to nonexistent deparment. Name the constraint my\_emp\_dept\_id\_fk.

```
alter table emp
add DEPT_ID Numbe(10);
alter table emp
add constraint my_emp_dept_id_fk FOREIGN KEY(DEPT_ID) references dept(ID);
```

- 4) Modify the EMP table. Add a COMMISSION column of NUMBER data type, precision 2, scale 2. Add a constraint to the commission column that ensures that a commission value is greater than zero.

```
alter table emp add
COMMISSION Number(2,2);
alter table emp
add CONSTRAINT commission_gt_zero CHECK(COMMISSION > 0);
```