

<b>EX.NO.: 4</b>		<b>WORKING WITH CONSTRAINTS</b>
<b>DATE</b> :	02-08-2024	

- 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 COMMISSIONVALUE IS GREATER THAN ZERO.

```
ALTER TABLE EMP
```

```
ADD COMMISSION NUMBER(2,2);
```

```
ALTER TABLE EMP
```

```
ADD CONSTRAINT COMMISSION_GT_ZERO CHECK(COMMISSION > 0);
```