WORKING WITH CONSTRAINTS

WEEK : 4 **DATE :**

Find the Solution for the following:

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.

   Sol :

   alter table emp add constraint my_emp_id_pk PRIMARY KEY(employee_ID)

   O/P :

   Table altered.

2. Create a PRIMAY KEY constraint to the DEPT table using the ID colum. The constrain should be named at creation. Name the constraint my_dept_id_pk.

   Sol :

   alter table dept2 add constraint my_dept_id_pk PRIMARY KEY(DEPT_ID)

   O/P :

   Table altered.

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.

   Sol :

   ```
   alter table emp add constraint my_emp_dept_id_fk foreign key(DEPT_ID) references dept2(DEPT_ID)
   ```

   O/P :

   Table altered.

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.

   Sol :

   ```
   alter table emp add commission number(2,2)
   alter table emp add constraint check_commission check(commission>0)
   ```

   O/P :

   Table altered.