

DBMS Lab Assignment-2 Solutions

1. Create table EMP1:

```
CREATE TABLE EMP1 (ID NUMBER(2), Name VARCHAR2(10), Basic NUMBER(6,2),  
Designation VARCHAR2(10), Age NUMBER(2));
```

2. Change datatype of Basic:

```
ALTER TABLE EMP1 MODIFY (Basic NUMBER(6));
```

3. Change size of Name column:

```
ALTER TABLE EMP1 MODIFY (Name VARCHAR2(15));
```

4. Create EMP_trainee:

```
CREATE TABLE EMP_trainee (Emp_id NUMBER(2), Name VARCHAR2(15), Basic NUMBER(6),  
Designation VARCHAR2(10), Age NUMBER(2));
```

5. Insert data:

```
INSERT INTO EMP1 VALUES (1, 'Rohit', 6700, 'Manager', 24);  
INSERT INTO EMP1 VALUES (2, 'Sunil', 6200, 'Engineer', 27);  
INSERT INTO EMP1 VALUES (3, 'Payal', 6300, 'Engineer', 25);  
INSERT INTO EMP1 VALUES (4, 'Kunal', 6700, 'Trainee', 28);  
INSERT INTO EMP1 VALUES (5, 'Sunita', 6230, 'Trainee', 26);  
INSERT INTO EMP1 VALUES (6, 'Bimal', 7000, 'Trainee', 25);
```

6. Insert Trainee rows:

```
INSERT INTO EMP_trainee (Emp_id, Name, Basic, Designation, Age) SELECT ID, Name, Basic,  
Designation, Age FROM EMP1 WHERE LOWER(Designation) = 'trainee';
```

7. Add columns:

```
ALTER TABLE EMP1 ADD (Skills VARCHAR2(10), DOJ DATE);  
UPDATE EMP1 SET Skills='SQL', DOJ=TO_DATE('2023-01-01','YYYY-MM-DD') WHERE ID=1;  
UPDATE EMP1 SET Skills='Java', DOJ=TO_DATE('2023-02-10','YYYY-MM-DD') WHERE ID=2;
```

8. Update multiple rows:

```
UPDATE EMP1 SET Basic = Basic + 500 WHERE Designation IN ('Engineer', 'Trainee');
```

9. Rename Age column:

```
ALTER TABLE EMP1 RENAME COLUMN Age TO Age_in_Years;
```

10. Drop Age column in EMP_trainee:

```
ALTER TABLE EMP_trainee DROP COLUMN Age;
```

11. Rename EMP1 to EMP_Mgr_Engr:

```
ALTER TABLE EMP1 RENAME TO EMP_Mgr_Engr;
```

12. Truncate EMP_Mgr_Engr:

```
TRUNCATE TABLE EMP_Mgr_Engr;
```