

## **DATABASE**

CODE FOR TABLES :-

```
CREATE TABLE Employee (ename varchar2(10),city varchar2(10));
INSERT INTO Employee VALUES('Abhishek','Los Angeles');
INSERT INTO Employee VALUES('Sunil','Madras');
INSERT INTO Employee VALUES('Vijay','Madras');
INSERT INTO Employee VALUES('Abhijeet','Bangalore');
INSERT INTO Employee VALUES('Kai','California');
INSERT INTO Employee VALUES('Tyson','Washington DC');
INSERT INTO Employee VALUES('Max','Delhi');
```

```
CREATE TABLE Emp_Company (ename varchar2(10),cname varchar2(10),salary number(7,2),jdate DATE);
INSERT INTO Emp_Company VALUES('Abhishek','Apple',200000.00,'10-april-2023');
INSERT INTO Emp_Company VALUES('Sunil','Acc',20000.00,'11-may-2023');
INSERT INTO Emp_Company VALUES('Vijay','Acc',40000.00,'12-june-2023');
INSERT INTO Emp_Company VALUES('Abhijeet','Acc',7000.00,'13-july-2023');
INSERT INTO Emp_Company VALUES('Kai','Amazon',90000.00,'14-august-2023');
INSERT INTO Emp_Company VALUES('Tyson','Netflix',80000.00,'15-september-2023');
INSERT INTO Emp_Company VALUES('Max','Tata',18000.00,'16-october-2023');
```

```
CREATE TABLE Company (cname varchar2(10),city varchar2(10));
INSERT INTO Company VALUES('Apple','Los Angeles');
INSERT INTO Company VALUES('Acc','Kolkata');
INSERT INTO Company VALUES('Netflix','California');
INSERT INTO Company VALUES('Amazon','Bangalore');
INSERT INTO Company VALUES('Tata','Mumbai');
```

```
CREATE TABLE Manager (ename varchar2(10),mname varchar2(10));
INSERT INTO Manager VALUES('Abhishek','Krishna');
INSERT INTO Manager VALUES('Sunil','Kartik');
INSERT INTO Manager VALUES('Vijay','Rohan');
INSERT INTO Manager VALUES('Abhijeet','Hillary');
INSERT INTO Manager VALUES('Kai','Arjun');
INSERT INTO Manager VALUES('Tyson','Trump');
INSERT INTO Manager VALUES('Max','Emmaneul');
```

```
CREATE TABLE Emp_Shift (ename varchar2(10),shift varchar2(1));
INSERT INTO Emp_Shift VALUES('Abhishek','A');
INSERT INTO Emp_Shift VALUES('Sunil','B');
INSERT INTO Emp_Shift VALUES('Vijay','B');
INSERT INTO Emp_Shift VALUES('Abhijeet','B');
INSERT INTO Emp_Shift VALUES('Kai','A');
INSERT INTO Emp_Shift VALUES('Tyson','A');
INSERT INTO Emp_Shift VALUES('Max','B');
```

```
SELECT * FROM Employee;
SELECT * FROM Emp_Company;
SELECT * FROM Company;
SELECT * FROM Manager;
SELECT * FROM Emp_Shift;
```

OUTPUT FOR TABLES :-

Employee

ename	city
Abhishek	Los Angeles
Sunil	Madras
Vijay	Madras
Abhijeet	Bangalore
Kai	California
Tyson	Washington DC
Max	Delhi

Emp\_Company

ename	cname	salary	jdate
Abhishek	Apple	200000	10-april-2023
Sunil	Acc	20000	11-may-2023
Vijay	Acc	40000	12-june-2023
Abhijeet	Acc	7000	13-july-2023
Kai	Amazon	90000	14-august-2023
Tyson	Netflix	80000	15-september-2023
Max	Tata	18000	16-october-2023

Company

cname	city
Apple	Los Angeles
Acc	Kolkata
Netflix	California
Amazon	Bangalore
Tata	Mumbai

### Manager

ename	mname
Abhishek	Krishna
Sunil	Kartik
Vijay	Rohan
Abhijeet	Hillary
Kai	Arjun
Tyson	Trump
Max	Emmaneul

### Emp\_Shift

ename	shift
Abhishek	A
Sunil	B
Vijay	B
Abhijeet	B
Kai	A
Tyson	A
Max	B

### QUERIES :-

**Q.1]** Decrease the salary of Vijay by 100 if Sunil and Vijay are living in city Madras.

→

Query :-

```
UPDATE Emp_Company
SET salary = salary - 100
WHERE ename = 'Vijay'
AND EXISTS (
SELECT * FROM Employee
WHERE city = 'Madras' AND ename IN ('Sunil', 'Vijay')
AND Employee.ename = Emp_Company.ename
);

SELECT * FROM Emp_Company;
```

Output :-

ename	cname	salary	jdate
Abhishek	Apple	200000	10-april-2023
Sunil	Acc	20000	11-may-2023
Vijay	Acc	39900	12-june-2023
Abhijeet	Acc	7000	13-july-2023
Kai	Amazon	90000	14-august-2023
Tyson	Netflix	80000	15-september-2023
Max	Tata	18000	16-october-2023

**Q.2]** All Employees of ACC having salary greater than 8000 are shifted to TATA.

→

Query :-

```
UPDATE Emp_Company
SET cname='Tata'
WHERE cname = 'Acc' AND salary>8000.00;

SELECT * FROM Emp_Company;
```

Output :-

ename	cname	salary	jdate
Abhishek	Apple	200000	10-april-2023
Sunil	Tata	20000	11-may-2023
Vijay	Tata	40000	12-june-2023
Abhijeet	Acc	7000	13-july-2023
Kai	Amazon	90000	14-august-2023
Tyson	Netflix	80000	15-september-2023
Max	Tata	18000	16-october-2023

**Q.3]** Decrease the salary of employee Vijay by 100 and increase the salary of employee Sunil by 100.

→

Query :-

```
UPDATE Emp_Company
SET salary = salary + 100
WHERE ename = 'Sunil';
```

```
UPDATE Emp_Company
SET salary = salary - 100
WHERE ename = 'Vijay';
```

```
SELECT * FROM Emp_Company;
```

Output :-

ename	cname	salary	jdate
Abhishek	Apple	200000	10-april-2023
Sunil	Acc	20100	11-may-2023
Vijay	Acc	39900	12-june-2023
Abhijeet	Acc	7000	13-july-2023
Kai	Amazon	90000	14-august-2023
Tyson	Netflix	80000	15-september-2023
Max	Tata	18000	16-october-2023

**Q.4]** Delete the rows of Emp\_Company having salary greater than 8000.

→ Query :-

```
DELETE FROM Emp_Company WHERE salary>8000.00;
```

```
SELECT * FROM Emp_Company;
```

Output :-

ename	cname	salary	jdate
Abhijeet	Acc	7000	13-july-2023