

- SQL CONSTRAINTS:

## PRIMARY AND FOREIGN KEY:

```
mysql> SELECT * FROM EMPLOYEES;
```

| E_ID | E_NAME  | PHONE_NO  | SALARY | AGE | ADDRESS | E_COMPANY |
|------|---------|-----------|--------|-----|---------|-----------|
| EP43 | D KHOLI | 899929870 | 60000  | 45  | MUMBAI  | CSS       |
| EP73 | A KHOLI | 899925790 | 68000  | 47  | PUNE    | TCS       |
| EP91 | K KHOLI | 879654034 | 45000  | 35  | PUNE    | WIPRO     |
| EP93 | A KHOLI | 893425790 | 70000  | 47  | CHENNAI | CSG       |

```
4 rows in set (0.01 sec)

mysql> CREATE TABLE EMP(EMP_ID INT(5) NOT NULL PRIMARY KEY, E_ID VARCHAR(20), EMP_NAME VARCHAR(20), FOREIGN KEY(E_ID) REFERENCES EMPLOYEES(E_ID));
Query OK, 0 rows affected, 1 warning (0.09 sec)

mysql> DESC EMP;
```

| Field    | Type        | Null | Key | Default | Extra |
|----------|-------------|------|-----|---------|-------|
| EMP_ID   | int         | NO   | PRI | NULL    |       |
| E_ID     | varchar(20) | YES  | MUL | NULL    |       |
| EMP_NAME | varchar(20) | YES  |     | NULL    |       |

```
3 rows in set (0.00 sec)

mysql>
```

## DEFAULT:

```
mysql> CREATE TABLE EMPP(EMPP_ID INT NOT NULL UNIQUE PRIMARY KEY, EMPP_NAME VARCHAR(10) DEFAULT 'V KHOLI');
Query OK, 0 rows affected (0.08 sec)

mysql> DESC EMPP;
```

| Field     | Type        | Null | Key | Default | Extra |
|-----------|-------------|------|-----|---------|-------|
| EMPP_ID   | int         | NO   | PRI | NULL    |       |
| EMPP_NAME | varchar(10) | YES  |     | V KHOLI |       |

```
2 rows in set (0.00 sec)

mysql> INSERT INTO EMPP VALUES(123, DEFAULT);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO EMPP VALUES(173, 'A KHOLI');
Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM EMPP;
```

| EMPP_ID | EMPP_NAME |
|---------|-----------|
| 123     | V KHOLI   |
| 173     | A KHOLI   |

```
2 rows in set (0.00 sec)
```

## CHECK:

```
mysql> ALTER TABLE EMPP ADD LOC VARCHAR(20) CHECK (LOC='BANGALURU');
Query OK, 4 rows affected (0.20 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

```
mysql> SELECT * FROM EMPP;
```

| EMPP_ID | EMPP_NAME | COMPANY      | LOCATION  | LOC  |
|---------|-----------|--------------|-----------|------|
| 7       | P KHOLI   | TORRY HARRIS | BANGALURU | NULL |
| 17      | S KHOLI   | TORRY HARRIS | NULL      | NULL |
| 123     | V KHOLI   | TORRY HARRIS | NULL      | NULL |
| 173     | A KHOLI   | TORRY HARRIS | NULL      | NULL |

```
4 rows in set (0.00 sec)
```

```
mysql> UPDATE EMPP SET LOCATION='PUNE' WHERE EMPP_ID =7;
ERROR 3819 (HY000): Check constraint 'emp_chk_1' is violated.
mysql> UPDATE EMPP SET LOCATION='BANGALURU' WHERE EMPP_ID =17;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
mysql> SELECT * FROM EMPP;
```

| EMPP_ID | EMPP_NAME | COMPANY      | LOCATION  | LOC  |
|---------|-----------|--------------|-----------|------|
| 7       | P KHOLI   | TORRY HARRIS | BANGALURU | NULL |
| 17      | S KHOLI   | TORRY HARRIS | BANGALURU | NULL |
| 123     | V KHOLI   | TORRY HARRIS | NULL      | NULL |
| 173     | A KHOLI   | TORRY HARRIS | NULL      | NULL |

```
4 rows in set (0.00 sec)
```

## SQL JOINS

### 1.INNER JOIN:

```
MySQL 8.0 Command Line Client

+-----+
| EP29 | S KOHLI | 89564368 | 45000 | 43 | PUNE | TECH |
| EP43 | D KHOLI | 899929870 | 60000 | 45 | MUMBAI | CSS |
| EP70 | S KOHLI | 89564368 | 45000 | 43 | BENGALURU | TECH |
| EP73 | A KHOLI | 899925790 | 68000 | 47 | PUNE | TCS |
| EP91 | K KHOLI | 879654034 | 45000 | 35 | PUNE | WIPRO |
| EP93 | A KHOLI | 893425790 | 70000 | 47 | CHENNAI | CSG |
+-----+
6 rows in set (0.00 sec)

mysql> SELECT * FROM EMP;
+-----+
| EMP_ID | E_ID | EMP_NAME |
+-----+
| 12 | EP43 | K KOHLI |
| 14 | EP73 | A KOHLI |
| 34 | EP91 | R KOHLI |
| 56 | EP91 | R KOHLI |
+-----+
4 rows in set (0.00 sec)

mysql> SELECT * FROM EMPLOYEES INNER JOIN EMP ON EMPLOYEES.E_ID=EMP.E_ID;
+-----+
| E_ID | E_NAME | PHONE_NO | SALARY | AGE | ADDRESS | E_COMPANY | EMP_ID | E_ID | EMP_NAME |
+-----+
| EP43 | D KHOLI | 899929870 | 60000 | 45 | MUMBAI | CSS | 12 | EP43 | K KOHLI |
| EP73 | A KHOLI | 899925790 | 68000 | 47 | PUNE | TCS | 14 | EP73 | A KOHLI |
| EP91 | K KHOLI | 879654034 | 45000 | 35 | PUNE | WIPRO | 34 | EP91 | R KOHLI |
| EP91 | K KHOLI | 879654034 | 45000 | 35 | PUNE | WIPRO | 56 | EP91 | R KOHLI |
+-----+
4 rows in set (0.00 sec)
```

```
MySQL 8.0 Command Line Client

mysql> SELECT SALARY, EMPLOYEES.E_ID FROM EMPLOYEES INNER JOIN EMP ON EMPLOYEES.E_NAME=EMP.EMP_NAME;
Empty set (0.00 sec)

mysql> SELECT PHONE_NO, SALARY, E_NAME FROM EMPLOYEES INNER JOIN EMP ON EMPLOYEES.E_ID=EMP.E_ID;
+-----+
| PHONE_NO | SALARY | E_NAME |
+-----+
| 899929870 | 60000 | D KHOLI |
| 899925790 | 68000 | A KHOLI |
| 879654034 | 45000 | K KHOLI |
| 879654034 | 45000 | K KHOLI |
+-----+
4 rows in set (0.00 sec)

mysql> SELECT E_NAME FROM EMPLOYEES INNER JOIN EMP ON EMPLOYEES.E_ID=EMP.E_ID;
+-----+
| E_NAME |
+-----+
| D KHOLI |
| A KHOLI |
| K KHOLI |
| K KHOLI |
+-----+
4 rows in set (0.00 sec)
```

## 2.LEFT JOIN

```

EP29 | S KOHLI | 89564368 | 45000 | 43 | PUNE | TECH | CSS
EP43 | D KHOLI | 899929870 | 60000 | 45 | MUMBAI | TECH | TCS
EP70 | S KOHLI | 89564368 | 45000 | 43 | BENGALURU | TECH | TCS
EP73 | A KOHLI | 899925790 | 68000 | 47 | PUNE | TCS | WIPRO
EP91 | K KOHLI | 879654034 | 45000 | 35 | PUNE | WIPRO | WIPRO
EP93 | A KOHLI | 893425790 | 70000 | 47 | CHENNAI | CSG
-----+-----
6 rows in set (0.00 sec)

mysql> SELECT * FROM EMP;
+-----+-----+-----+
| EMP_ID | E_ID | EMP_NAME |
+-----+-----+-----+
| 12 | EP43 | K KOHLI |
| 14 | EP73 | A KOHLI |
| 34 | EP91 | R KOHLI |
| 56 | EP91 | R KOHLI |
+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> SELECT * FROM EMP LEFT JOIN EMPLOYEES ON EMPLOYEES.E_ID=EMP.E_ID;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| EMP_ID | E_ID | EMP_NAME | E_ID | E_NAME | PHONE_NO | SALARY | AGE | ADDRESS | E_COMPANY |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 12 | EP43 | K KOHLI | EP43 | D KHOLI | 899929870 | 60000 | 45 | MUMBAI | CSS |
| 14 | EP73 | A KOHLI | EP73 | A KHOLI | 899925790 | 68000 | 47 | PUNE | TCS |
| 34 | EP91 | R KOHLI | EP91 | K KOHLI | 879654034 | 45000 | 35 | PUNE | WIPRO |
| 56 | EP91 | R KOHLI | EP91 | K KOHLI | 879654034 | 45000 | 35 | PUNE | WIPRO |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

```

```
mysql> SELECT E_NAME, E_COMPANY, SALARY FROM EMP LEFT JOIN EMPLOYEES ON EMPLOYEES.E_ID=EMP.E_ID;
```

| E_NAME | E_COMPANY | SALARY |
|--------|-----------|--------|
| D KHOI | CS        | 60000  |
| A KHOI | TCS       | 68000  |
| K KHOI | WTPRO     | 45000  |
| K KHOI | WTPRO     | 45000  |

4 rows in set (0.00 sec)

```
mysql> SELECT E_NAME, SALARY FROM EMP LEFT JOIN EMPLOYEES ON EMPLOYEES.E_ID=EMP.E_ID;
```

| E_NAME | SALARY |
|--------|--------|
| D KHOI | 60000  |
| A KHOI | 68000  |
| K KHOI | 45000  |
| K KHOI | 45000  |

4 rows in set (0.00 sec)

```
mysql> SELECT * FROM EMPLOYEES LEFT JOIN EMP ON EMPLOYEES.E_ID=EMP.E_ID;
```

| E_ID | E_NAME  | PHONE_NO  | SALARY | AGE | ADDRESS   | E_COMPANY | EMP_ID | E_ID | EMP_NAME |
|------|---------|-----------|--------|-----|-----------|-----------|--------|------|----------|
| EP20 | S KOHLI | 89564368  | 45000  | 43  | PUNE      | TECH      | NULL   | NULL | NULL     |
| EP43 | D KHOI  | 899929870 | 60000  | 45  | MUMBAI    | CS        | 12     | EP43 | K KOHLI  |
| EP70 | S KOHLI | 89564368  | 45000  | 43  | BENGALURU | TECH      | NULL   | NULL | NULL     |
| EP73 | A KHOI  | 899925790 | 68000  | 47  | PUNE      | TCS       | 14     | EP73 | A KOHLI  |
| EP91 | K KHOI  | 879654034 | 45000  | 35  | PUNE      | WTPRO     | 34     | EP91 | R KOHLI  |
| EP91 | K KHOI  | 879654034 | 45000  | 35  | PUNE      | WTPRO     | 56     | EP91 | R KOHLI  |
| EP93 | A KHOI  | 893425790 | 78000  | 47  | CHENNAI   | CSG       | NULL   | NULL | NULL     |

### 3.RIGHT JOIN:

```
EP29 | S | KOHLI | 89564368 | 45000 | 43 | PUNE | TECH
EP43 | D | KHOLI | 899929870 | 200700 | 45 | MUMBAI | CSS
EP70 | S | KOHLI | 89564368 | 45000 | 43 | BENGALURU | TECH
EP73 | A | KHOLI | 899925790 | 68000 | 47 | PUNE | TCS
EP91 | K | KHOLI | 879654034 | 45000 | 35 | PUNE | WIPRO
EP93 | A | KHOLI | 893425790 | 70000 | 47 | CHENNAI | CSG
6 rows in set (0.01 sec)

mysql> SELECT * FROM EMP;
+----+-----+-----+
| EMP_ID | E_ID | EMP_NAME |
+----+-----+-----+
| 14 | EP73 | A KOHLI |
| 34 | EP91 | R KOHLI |
| 56 | EP91 | R KOHLI |
| 100 | EP43 | K KOHLI |
+----+-----+-----+
4 rows in set (0.00 sec)

mysql> SELECT * FROM EMPLOYEES RIGHT JOIN EMP ON EMPLOYEES.E_ID=EMP.E_ID;
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| E_ID | E_NAME | PHONE_NO | SALARY | AGE | ADDRESS | E_COMPANY | EMP_ID | E_ID | EMP_NAME |
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| EP73 | A KHOLI | 899925790 | 68000 | 47 | PUNE | TCS | 14 | EP73 | A KOHLI |
| EP91 | K KHOLI | 879654034 | 45000 | 35 | PUNE | WIPRO | 34 | EP91 | R KOHLI |
| EP91 | K KHOLI | 879654034 | 45000 | 35 | PUNE | WIPRO | 56 | EP91 | R KOHLI |
| EP43 | D KHOLI | 899929870 | 200700 | 45 | MUMBAI | CSS | 100 | EP43 | K KOHLI |
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM EMP RIGHT JOIN EMPLOYEES ON EMPLOYEES.E_ID=EMP.E_ID;
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| EMP_ID | E_ID | EMP_NAME | E_ID | E_NAME | PHONE_NO | SALARY | AGE | ADDRESS | E_COMPANY |
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| NULL | NULL | NULL | EP29 | S KOHLI | 89564368 | 45000 | 43 | PUNE | TECH |
| 100 | EP43 | K KOHLI | EP43 | D KHOLI | 899929870 | 200700 | 45 | MUMBAI | CSS |
| NULL | NULL | NULL | EP70 | S KOHLI | 89564368 | 45000 | 43 | BENGALURU | TECH |
| 14 | EP73 | A KOHLI | EP73 | A KHOLI | 899925790 | 68000 | 47 | PUNE | TCS |
| 56 | EP91 | R KOHLI | EP91 | K KHOLI | 879654034 | 45000 | 35 | PUNE | WIPRO |
| 34 | EP91 | R KOHLI | EP91 | K KHOLI | 879654034 | 45000 | 35 | PUNE | WIPRO |
| NULL | NULL | NULL | EP93 | A KHOLI | 893425790 | 70000 | 47 | CHENNAI | CSG |
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> SELECT EMP_ID FROM EMP RIGHT JOIN EMPLOYEES ON EMPLOYEES.E_ID=EMP.E_ID;
+----+
| EMP_ID |
+----+
| NULL |
| 100 |
| NULL |
| 14 |
| 34 |
| 56 |
| NULL |
+----+
7 rows in set (0.00 sec)
```

#### 4.FULL OUTER JOIN

```
4 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM EMPLOYEES;
```

| E_ID | E_NAME  | PHONE_NO  | SALARY | AGE | ADDRESS   | E_COMPANY    |
|------|---------|-----------|--------|-----|-----------|--------------|
| EP29 | S KOHLI | 89564368  | 45000  | 43  | PUNE      | TECH         |
| EP43 | D KOHLI | 899929870 | 200700 | 45  | MUMBAI    | CSS          |
| EP70 | S KOHLI | 89564368  | 45000  | 43  | BENGALURU | TECH         |
| EP73 | A KOHLI | 899925790 | 68000  | 47  | PUNE      | TORRY HARRIS |
| EP91 | K KOHLI | 879654034 | 45000  | 35  | PUNE      | WIPRO        |
| EP93 | A KOHLI | 893425790 | 70000  | 47  | CHENNAI   | CSG          |

```
6 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM EMP;
```

| EMP_ID | E_ID | EMP_NAME |
|--------|------|----------|
| 14     | EP73 | A KOHLI  |
| 34     | EP91 | R KOHLI  |
| 56     | EP91 | R KOHLI  |
| 100    | EP43 | K KOHLI  |

```
4 rows in set (0.00 sec)
```

| E_ID | E_NAME  | PHONE_NO  | SALARY | AGE | ADDRESS   | E_COMPANY    | EMP_ID | E_ID | EMP_NAME |
|------|---------|-----------|--------|-----|-----------|--------------|--------|------|----------|
| EP29 | S KOHLI | 89564368  | 45000  | 43  | PUNE      | TECH         | 100    | EP43 | K KOHLI  |
| EP29 | S KOHLI | 89564368  | 45000  | 43  | PUNE      | TECH         | 56     | EP91 | R KOHLI  |
| EP29 | S KOHLI | 89564368  | 45000  | 43  | PUNE      | TECH         | 34     | EP91 | R KOHLI  |
| EP29 | S KOHLI | 89564368  | 45000  | 43  | PUNE      | TECH         | 14     | EP73 | A KOHLI  |
| EP43 | D KHOLI | 899929870 | 200700 | 45  | MUMBAI    | CSS          | 100    | EP43 | K KOHLI  |
| EP43 | D KHOLI | 899929870 | 200700 | 45  | MUMBAI    | CSS          | 56     | EP91 | R KOHLI  |
| EP43 | D KHOLI | 899929870 | 200700 | 45  | MUMBAI    | CSS          | 34     | EP91 | R KOHLI  |
| EP43 | D KHOLI | 899929870 | 200700 | 45  | MUMBAI    | CSS          | 14     | EP73 | A KOHLI  |
| EP70 | S KOHLI | 89564368  | 45000  | 43  | BENGALURU | TECH         | 100    | EP43 | K KOHLI  |
| EP70 | S KOHLI | 89564368  | 45000  | 43  | BENGALURU | TECH         | 56     | EP91 | R KOHLI  |
| EP70 | S KOHLI | 89564368  | 45000  | 43  | BENGALURU | TECH         | 34     | EP91 | R KOHLI  |
| EP70 | S KOHLI | 89564368  | 45000  | 43  | BENGALURU | TECH         | 14     | EP73 | A KOHLI  |
| EP73 | A KHOLI | 899925790 | 68000  | 47  | PUNE      | TORRY HARRIS | 100    | EP43 | K KOHLI  |
| EP73 | A KHOLI | 899925790 | 68000  | 47  | PUNE      | TORRY HARRIS | 56     | EP91 | R KOHLI  |
| EP73 | A KHOLI | 899925790 | 68000  | 47  | PUNE      | TORRY HARRIS | 34     | EP91 | R KOHLI  |
| EP73 | A KHOLI | 899925790 | 68000  | 47  | PUNE      | TORRY HARRIS | 14     | EP73 | A KOHLI  |
| EP91 | K KHOLI | 879654034 | 45000  | 35  | PUNE      | WIPRO        | 100    | EP43 | K KOHLI  |
| EP91 | K KHOLI | 879654034 | 45000  | 35  | PUNE      | WIPRO        | 56     | EP91 | R KOHLI  |
| EP91 | K KHOLI | 879654034 | 45000  | 35  | PUNE      | WIPRO        | 34     | EP91 | R KOHLI  |
| EP91 | K KHOLI | 879654034 | 45000  | 35  | PUNE      | WIPRO        | 14     | EP73 | A KOHLI  |
| EP93 | A KHOLI | 893425790 | 70000  | 47  | CHENNAI   | CSG          | 100    | EP43 | K KOHLI  |
| EP93 | A KHOLI | 893425790 | 70000  | 47  | CHENNAI   | CSG          | 56     | EP91 | R KOHLI  |
| EP93 | A KHOLI | 893425790 | 70000  | 47  | CHENNAI   | CSG          | 34     | EP91 | R KOHLI  |
| EP93 | A KHOLI | 893425790 | 70000  | 47  | CHENNAI   | CSG          | 14     | EP73 | A KOHLI  |

24 rows in set (0.00 sec)

## SUBQUERIES:

```
mysql> SELECT * FROM EMP;
+-----+-----+-----+-----+-----+-----+-----+
| E_ID | E_NAME | PHONE_NO | SALARY | AGE | ADDRESS | E_COMPANY |
+-----+-----+-----+-----+-----+-----+-----+
| EP29 | S KOHLI | 89564368 | 45000 | 43 | PUNE | TECH |
| EP43 | D KHOLI | 899929870 | 200700 | 45 | MUMBAI | CSS |
| EP70 | S KOHLI | 89564368 | 45000 | 43 | BENGALURU | TECH |
| EP73 | A KHOLI | 899925790 | 68000 | 47 | PUNE | TCS |
| EP91 | K KHOLI | 879654034 | 45000 | 35 | PUNE | WIPRO |
| EP93 | A KHOLI | 893425790 | 70000 | 47 | CHENNAI | CSG |
+-----+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> SELECT * FROM EMP;
+-----+-----+-----+
| EMP_ID | E_ID | EMP_NAME |
+-----+-----+-----+
| 14 | EP73 | A KOHLI |
| 34 | EP91 | R KOHLI |
| 56 | EP91 | R KOHLI |
| 100 | EP43 | K KOHLI |
+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> SELECT EMP_ID FROM EMP WHERE E_ID IN (SELECT E_ID FROM EMPLOYEES WHERE COMPANY='TCS');
ERROR 1054 (42S22): Unknown column 'COMPANY' in 'where clause'
mysql> SELECT EMP_ID FROM EMP WHERE E_ID IN (SELECT E_ID FROM EMPLOYEES WHERE E_COMPANY='TCS');
+-----+
| EMP_ID |
+-----+
| 14 |
+-----+
1 row in set (0.00 sec)

mysql>
```

```
mysql> SELECT E_NAME,PHONE_NO FROM EMPLOYEES WHERE E_ID IN (SELECT E_ID FROM EMP WHERE EMP_ID=100);
+-----+-----+
| E_NAME | PHONE_NO |
+-----+-----+
| D KHOLI | 899929870 |
+-----+-----+
1 row in set (0.00 sec)

mysql> SELECT E_NAME,PHONE_NO FROM EMPLOYEES WHERE E_ID IN (SELECT E_ID FROM EMP WHERE EMP_ID>10);
+-----+-----+
| E_NAME | PHONE_NO |
+-----+-----+
| D KHOLI | 899929870 |
| A KHOLI | 899925790 |
| K KHOLI | 879654034 |
+-----+-----+
3 rows in set (0.00 sec)

mysql> SELECT E_NAME,SALARY,E_COMPANY FROM EMPLOYEES WHERE E_ID IN (SELECT E_ID FROM EMP);
+-----+-----+-----+
| E_NAME | SALARY | E_COMPANY |
+-----+-----+-----+
| D KHOLI | 200700 | CSS |
| A KHOLI | 68000 | TCS |
| K KHOLI | 45000 | WIPRO |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

Torry-Harris

← → ↻ 🔒 <https://labs.alchemycloud.co.in/Citrix/StoreWeb/clients/HTML5Client/src/SessionWindow.html?launchid=1632299946883#la> ☆

Select MySQL 8.0 Command Line Client

```
mysql> SELECT * FROM EMPLOYEES;
```

| E_ID | E_NAME  | PHONE_NO  | SALARY | AGE | ADDRESS   | E_COMPANY |
|------|---------|-----------|--------|-----|-----------|-----------|
| EP29 | S KOHLI | 89564368  | 45000  | 43  | PUNE      | TECH      |
| EP43 | D KOHLI | 899929870 | 200700 | 45  | MUMBAI    | CSS       |
| EP70 | S KOHLI | 89564368  | 45000  | 43  | BENGALURU | TECH      |
| EP73 | A KOHLI | 899925790 | 68000  | 47  | PUNE      | TCS       |
| EP91 | K KOHLI | 879654034 | 45000  | 35  | PUNE      | WIPRO     |
| EP93 | A KOHLI | 893425790 | 70000  | 47  | CHENNAI   | CSG       |

6 rows in set (0.00 sec)

```
mysql> SELECT * FROM EMP;
```

| EMP_ID | E_ID | EMP_NAME |
|--------|------|----------|
| 14     | EP73 | A KOHLI  |
| 34     | EP91 | R KOHLI  |
| 56     | EP91 | R KOHLI  |
| 100    | EP43 | K KOHLI  |

4 rows in set (0.00 sec)

```
mysql> UPDATE EMPLOYEES SET E_COMPANY='TORRY HARRIS' WHERE E_ID IN (SELECT E_ID FROM EMP WHERE EMP_ID=14);
```

Query OK, 1 row affected (0.01 sec)  
Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> SELECT * FROM EMPLOYEES;
```

| E_ID | E_NAME  | PHONE_NO  | SALARY | AGE | ADDRESS   | E_COMPANY    |
|------|---------|-----------|--------|-----|-----------|--------------|
| EP29 | S KOHLI | 89564368  | 45000  | 43  | PUNE      | TECH         |
| EP43 | D KOHLI | 899929870 | 200700 | 45  | MUMBAI    | CSS          |
| EP70 | S KOHLI | 89564368  | 45000  | 43  | BENGALURU | TECH         |
| EP73 | A KOHLI | 899925790 | 68000  | 47  | PUNE      | TORRY HARRIS |
| EP91 | K KOHLI | 879654034 | 45000  | 35  | PUNE      | WIPRO        |
| EP93 | A KOHLI | 893425790 | 70000  | 47  | CHENNAI   | CSG          |

```
4 rows in set (0.00 sec)
```

```
mysql> UPDATE EMPLOYEES SET E_COMPANY='TORRY HARRIS' WHERE E_ID IN (SELECT E_ID FROM EMP WHERE EMP_ID=14);
```

Query OK, 1 row affected (0.01 sec)  
Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> SELECT * FROM EMPLOYEES;
```

| E_ID | E_NAME  | PHONE_NO  | SALARY | AGE | ADDRESS   | E_COMPANY    |
|------|---------|-----------|--------|-----|-----------|--------------|
| EP29 | S KOHLI | 89564368  | 45000  | 43  | PUNE      | TECH         |
| EP43 | D KOHLI | 899929870 | 200700 | 45  | MUMBAI    | CSS          |
| EP70 | S KOHLI | 89564368  | 45000  | 43  | BENGALURU | TECH         |
| EP73 | A KOHLI | 899925790 | 68000  | 47  | PUNE      | TORRY HARRIS |
| EP91 | K KOHLI | 879654034 | 45000  | 35  | PUNE      | WIPRO        |
| EP93 | A KOHLI | 893425790 | 70000  | 47  | CHENNAI   | CSG          |

6 rows in set (0.00 sec)