

VISHNU TYAGI
2CSE 9
2410031720

PROGRAM -1

1. Create Employee_master table with data using Employee table.
2. Delete all the record into Employee_master whose DeptNo is 10.
3. Update 10% in his salary of DeptNo 20 into Employee_Master.
4. Alter SAL with size 10,2 in Employee_Master.
5. Drop Employee_Master Table.

```
mysql> -- 1. Create Database
Query OK, 0 rows affected (0.001 sec)

mysql> CREATE DATABASE company_db;
ERROR 1007 (HY000): Can't create database 'company_db'; database exists
mysql> USE company_db;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql>
mysql> -- 2. Create DEPARTMENT table
Query OK, 0 rows affected (0.000 sec)

mysql> CREATE TABLE department (
    ->     deptno INT(2) PRIMARY KEY,
    ->     dname VARCHAR(15) NOT NULL
    -> );
ERROR 1050 (42S01): Table 'department' already exists
mysql> CREATE TABLE employee (
    ->     empno INT(4) PRIMARY KEY,
    ->     ename VARCHAR(20) NOT NULL,
    ->     job VARCHAR(20),
    ->     mgr INT(4),
    ->     hiredate DATE,
    ->     sal DECIMAL(10,0),
    ->     comm DECIMAL(7,0),
    ->     deptno INT(2),
    ->     FOREIGN KEY (deptno) REFERENCES department(deptno)
    -> );
[Query OK, 0 rows affected, 3 warnings (0.014 sec)]
```

```

mysql> SELECT * FROM employee;
+-----+-----+-----+-----+-----+-----+-----+-----+
| empno | ename | job   | mgr   | hiredate | sal   | comm | deptno |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800   | NULL  | 20   |
| 7499 | ALLEN | SALESMAN | 7698 | 1981-02-20 | 1600  | 300   | 30   |
| 7521 | WARD  | SALESMAN | 7698 | 1981-02-22 | 1250  | 300   | 30   |
| 7566 | JONES | MANAGER | 7839 | 1981-04-02 | 2975  | NULL  | 20   |
| 7654 | MARTIN | SALESMAN | 7698 | 1981-09-28 | 1250  | 1400  | 30   |
| 7698 | BLAKE | MANAGER | 7839 | 1981-05-01 | 2850  | NULL  | 30   |
| 7782 | CLARK | MANAGER | 7839 | 1981-06-09 | 2450  | NULL  | 20   |
| 7788 | SCOTT | ANALYST | 7566 | 1982-12-09 | 3000  | NULL  | 40   |
| 7839 | KING   | PRESIDENT | NULL  | 1981-11-17 | 5000  | NULL  | 20   |
| 7844 | TURNER | SALESMAN | 7698 | 1981-09-08 | 1500  | 0     | 30   |
| 7876 | ADAMS  | CLERK   | 7788 | 1983-01-12 | 1100  | NULL  | 20   |
| 7900 | JAMES  | CLERK   | 7698 | 1981-12-03 | 950   | NULL  | 30   |
| 7982 | FORD   | ANALYST | 7566 | 1981-12-03 | 3000  | NULL  | 20   |
| 7934 | MILLER | CLERK   | 7782 | 1982-01-23 | 1300  | NULL  | 10   |
+-----+-----+-----+-----+-----+-----+-----+-----+
14 rows in set (0.002 sec)

mysql> SELECT * FROM department;
+-----+-----+
| deptno | dname  |
+-----+-----+
| 10    | RESEARCH |
| 20    | ACCOUNTING |
| 30    | SALES    |
| 40    | OPERATIONS |
+-----+-----+
4 rows in set (0.000 sec)

mysql> CREATE TABLE employee_master AS
[ -> SELECT * FROM employee;
Query OK, 14 rows affected (0.009 sec)
Records: 14  Duplicates: 0  Warnings: 0

mysql> DELETE FROM employee_master
[ -> WHERE deptno = 10;
Query OK, 1 row affected (0.004 sec)

mysql> UPDATE employee_master
-> SET sal = sal +(sal * 0.10)
[ -> WHERE deptno = 20;
Query OK, 6 rows affected, 1 warning (0.004 sec)
Rows matched: 6  Changed: 6  Warnings: 1

mysql> ALTER TABLE employee_master
-> MODIFY sal DECIMAL(10,2);
Query OK, 13 rows affected (0.024 sec)
Records: 13  Duplicates: 0  Warnings: 0

[mysql> DROP TABLE employee_master;
Query OK, 0 rows affected (0.010 sec)

mysql> SELECT * FROM employee;
+-----+-----+-----+-----+-----+-----+-----+-----+
| empno | ename | job   | mgr   | hiredate | sal   | comm | deptno |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800   | NULL  | 20   |
| 7499 | ALLEN | SALESMAN | 7698 | 1981-02-20 | 1600  | 300   | 30   |
| 7521 | WARD  | SALESMAN | 7698 | 1981-02-22 | 1250  | 300   | 30   |
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| 7782 | CLARK | MANAGER | 7839 | 1981-06-09 | 2450  | NULL  | 20   |
| 7788 | SCOTT | ANALYST | 7566 | 1982-12-09 | 3000  | NULL  | 40   |
| 7839 | KING   | PRESIDENT | NULL  | 1981-11-17 | 5000  | NULL  | 20   |
| 7844 | TURNER | SALESMAN | 7698 | 1981-09-08 | 1500  | 0     | 30   |
| 7876 | ADAMS  | CLERK   | 7788 | 1983-01-12 | 1100  | NULL  | 20   |
| 7900 | JAMES  | CLERK   | 7698 | 1981-12-03 | 950   | NULL  | 30   |
| 7982 | FORD   | ANALYST | 7566 | 1981-12-03 | 3000  | NULL  | 20   |
| 7934 | MILLER | CLERK   | 7782 | 1982-01-23 | 1300  | NULL  | 10   |
+-----+-----+-----+-----+-----+-----+-----+-----+

```

14 rows in set (0.001 sec)

```
mysql> SELECT * FROM department;
```

```
+-----+-----+
| deptno | dname  |
+-----+-----+
| 10    | RESEARCH |
| 20    | ACCOUNTING |
| 30    | SALES    |
| 40    | OPERATIONS |
+-----+-----+
```

4 rows in set (0.000 sec)

```
mysql> SELECT * FROM employee_master;■
```