

## MARIADB ASSIGNMENT - 1

MariaDB [(none)]> create database DBS;

MariaDB [(none)]> use DBS

Database changed

MariaDB [DBS]> CREATE TABLE emp(empno int NOT NULL,ename varchar(10) default NULL,job varchar(9) default NULL,mgr int default NULL,hiredate date default NULL,sal decimal(7,2) default NULL,comm decimal(7,2) default NULL,deptno int default NULL);

Query OK, 0 rows affected (0.08 sec)

MariaDB [DBS]> CREATE TABLE dept(deptno int default NULL,dname varchar(14) default NULL,loc varchar(13) default NULL) engine=myisam;

Query OK, 0 rows affected (0.00 sec)

MariaDB [DBS]> CREATE TABLE salgrade(grade int,losal decimal(7,2),hisal decimal(7,2)) engine=memory;

Query OK, 0 rows affected (0.00 sec)

MariaDB [DBS]> CREATE TABLE bonus(ename VARCHAR(10),job VARCHAR(9),sal decimal(7,2), comm decimal(7,2));

Query OK, 0 rows affected (0.07 sec)

MariaDB [DBS]> INSERT INTO emp VALUES('7369','SMITH','CLERK','7902','1980-12-17','800.00',NULL,'20');

Query OK, 1 row affected (0.04 sec)

MariaDB [DBS]> INSERT INTO emp VALUES('7499','ALLEN','SALESMAN','7698','1981-02-20','1600.00','300.00','30');

Query OK, 1 row affected (0.01 sec)

MariaDB [DBS]> INSERT INTO dept VALUES('10','ACCOUNTING','NEWYORK');  
INSERT INTO dept VALUES('20','RESEARCH','DALLAS');

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

MariaDB [DBS]> INSERT INTO salgrade VALUES(1,700,1200);INSERT INTO salgrade VALUES(2,1201,1400);INSERT INTO salgrade VALUES(3,1401,2000);INSERT INTO salgrade VALUES(4,2001,3000);INSERT INTO salgrade VALUES(5,3001,9999);

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

Query OK, 1 row affected (0.00 sec)

## MARIADB ASSIGNMENT - 1

```
MariaDB [DBS]> select table_name,engine from information_schema.tables where  
table_schema='employees';
```

Empty set (0.00 sec)

```
MariaDB [DBS]> select * from emp e join dept d on e.deptno=d.deptno;
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+  
| empno | ename | job   | mgr | hiredate | sal   | comm | deptno | deptno | dname   | loc   |  
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+  
| 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20 | 20 | RESEARCH  
| DALLAS |
```

1 row in set (0.00 sec)

```
MariaDB [DBS]> start transection;
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'transection' at line 1

```
MariaDB [DBS]> use DBS
```

Database changed

```
MariaDB [DBS]> start transection;
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'transection' at line 1

```
MariaDB [DBS]> start transaction;
```

Query OK, 0 rows affected (0.00 sec)

```
MariaDB [DBS]> select * from emp
```

-> ;

```
+-----+-----+-----+-----+-----+-----+-----+-----+  
| empno | ename | job   | mgr | hiredate | sal   | comm | deptno |  
+-----+-----+-----+-----+-----+-----+-----+-----+  
| 7369 | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20 |  
| 7499 | ALLEN | SALESMAN | 7698 | 1981-02-20 | 1600.00 | 300.00 | 30 |
```

2 rows in set (0.00 sec)

```
MariaDB [DBS]> INSERT INTO emp  
VALUES('7521','WARD','SALESMAN','7698','1981-02-  
22','1250.00','500.00','30');INSERT INTO emp  
VALUES('7566','JONES','MANAGER','7839','1981-04-  
02','2975.00',NULL,'20');INSERT INTO emp  
VALUES('7654','MARTIN','SALESMAN','7698','1981-09-
```

## MARIADB ASSIGNMENT - 1

```
28','1250.00','1400.00','30');INSERT INTO emp
VALUES('7698','BLAKE','MANAGER','7839','1981-05-
01','2850.00',NULL,'30');INSERT INTO emp
VALUES('7782','CLARK','MANAGER','7839','1981-06-
09','2450.00',NULL,'10');INSERT INTO emp
VALUES('7788','SCOTT','ANALYST','7566','1982-12-
09','3000.00',NULL,'20');INSERT INTO emp
VALUES('7839','KING','PRESIDENT',NULL,'1981-11-
17','5000.00',NULL,'10');INSERT INTO emp
VALUES('7844','TURNER','SALESMAN','7698','1981-09-
08','1500.00','0.00','30');INSERT INTO emp
VALUES('7876','ADAMS','CLERK','7788','1983-01-12','1100.00',NULL,'20');INSERT
INTO emp VALUES('7900','JAMES','CLERK','7698','1981-12-
03','950.00',NULL,'30');INSERT INTO emp
VALUES('7902','FORD','ANALYST','7566','1981-12-03','3000.00',NULL,'20');INSERT
INTO emp VALUES('7934','MILLER','CLERK','7782','1982-01-23','1300.00',NULL,'10');
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.01 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
Query OK, 1 row affected (0.00 sec)
MariaDB [DBS]> start transaction;
Query OK, 0 rows affected (0.00 sec)
MariaDB [DBS]> update emp set sal=sal+100 where empno=7844;INSERT INTO emp
VALUES('8001','SHERMAN','ANALYST','7782','1988-01-23','2300.00',NULL,'20');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MariaDB server version for the right syntax to use near '=sal+100
where empno=7844' at line 1
Query OK, 1 row affected (0.00 sec)
MariaDB [DBS]> update emp set sal=sal+100 where empno=7844;INSERT INTO emp
VALUES('8001','SHERMAN','ANALYST','7782','1988-01-23','2300.00',NULL,'20');
```

## MARIADB ASSIGNMENT - 1

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

Query OK, 1 row affected (0.05 sec)

MariaDB [DBS]> commit;

Query OK, 0 rows affected (0.00 sec)

MariaDB [DBS]> select \* from emp;

| empno | ename   | job       | mgr  | hiredate   | sal     | comm    | deptno |
|-------|---------|-----------|------|------------|---------|---------|--------|
| 7369  | SMITH   | CLERK     | 7902 | 1980-12-17 | 800.00  | NULL    | 20     |
| 7499  | ALLEN   | SALESMAN  | 7698 | 1981-02-20 | 1600.00 | 300.00  | 30     |
| 7521  | WARD    | SALESMAN  | 7698 | 1981-02-22 | 1250.00 | 500.00  | 30     |
| 7566  | JONES   | MANAGER   | 7839 | 1981-04-02 | 2975.00 | NULL    | 20     |
| 7654  | MARTIN  | SALESMAN  | 7698 | 1981-09-28 | 1250.00 | 1400.00 | 30     |
| 7698  | BLAKE   | MANAGER   | 7839 | 1981-05-01 | 2850.00 | NULL    | 30     |
| 7782  | CLARK   | MANAGER   | 7839 | 1981-06-09 | 2450.00 | NULL    | 10     |
| 7788  | SCOTT   | ANALYST   | 7566 | 1982-12-09 | 3000.00 | NULL    | 20     |
| 7839  | KING    | PRESIDENT | NULL | 1981-11-17 | 5000.00 | NULL    | 10     |
| 7844  | TURNER  | SALESMAN  | 7698 | 1981-09-08 | 1600.00 | 0.00    | 30     |
| 7876  | ADAMS   | CLERK     | 7788 | 1983-01-12 | 1100.00 | NULL    | 20     |
| 7900  | JAMES   | CLERK     | 7698 | 1981-12-03 | 950.00  | NULL    | 30     |
| 7902  | FORD    | ANALYST   | 7566 | 1981-12-03 | 3000.00 | NULL    | 20     |
| 7934  | MILLER  | CLERK     | 7782 | 1982-01-23 | 1300.00 | NULL    | 10     |
| 8001  | SHERMAN | ANALYST   | 7782 | 1988-01-23 | 2300.00 | NULL    | 20     |
| 8001  | SHERMAN | ANALYST   | 7782 | 1988-01-23 | 2300.00 | NULL    | 20     |

16 rows in set (0.00 sec)

MariaDB [DBS]> update emp set sal=sal+100 where empno=7521;delete emp where empno=8001

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [DBS]> ROLLBACK;

Query OK, 0 rows affected (0.00 sec)

MariaDB [DBS]> select \* from emp;

| empno | ename | job   | mgr  | hiredate   | sal    | comm | deptno |
|-------|-------|-------|------|------------|--------|------|--------|
| 7369  | SMITH | CLERK | 7902 | 1980-12-17 | 800.00 | NULL | 20     |

## MARIADB ASSIGNMENT - 1

|  |      |  |         |  |           |  |      |  |            |  |         |  |         |  |    |  |
|--|------|--|---------|--|-----------|--|------|--|------------|--|---------|--|---------|--|----|--|
|  | 7499 |  | ALLEN   |  | SALESMAN  |  | 7698 |  | 1981-02-20 |  | 1600.00 |  | 300.00  |  | 30 |  |
|  | 7521 |  | WARD    |  | SALESMAN  |  | 7698 |  | 1981-02-22 |  | 1350.00 |  | 500.00  |  | 30 |  |
|  | 7566 |  | JONES   |  | MANAGER   |  | 7839 |  | 1981-04-02 |  | 2975.00 |  | NULL    |  | 20 |  |
|  | 7654 |  | MARTIN  |  | SALESMAN  |  | 7698 |  | 1981-09-28 |  | 1250.00 |  | 1400.00 |  | 30 |  |
|  | 7698 |  | BLAKE   |  | MANAGER   |  | 7839 |  | 1981-05-01 |  | 2850.00 |  | NULL    |  | 30 |  |
|  | 7782 |  | CLARK   |  | MANAGER   |  | 7839 |  | 1981-06-09 |  | 2450.00 |  | NULL    |  | 10 |  |
|  | 7788 |  | SCOTT   |  | ANALYST   |  | 7566 |  | 1982-12-09 |  | 3000.00 |  | NULL    |  | 20 |  |
|  | 7839 |  | KING    |  | PRESIDENT |  | NULL |  | 1981-11-17 |  | 5000.00 |  | NULL    |  | 10 |  |
|  | 7844 |  | TURNER  |  | SALESMAN  |  | 7698 |  | 1981-09-08 |  | 1600.00 |  | 0.00    |  | 30 |  |
|  | 7876 |  | ADAMS   |  | CLERK     |  | 7788 |  | 1983-01-12 |  | 1100.00 |  | NULL    |  | 20 |  |
|  | 7900 |  | JAMES   |  | CLERK     |  | 7698 |  | 1981-12-03 |  | 950.00  |  | NULL    |  | 30 |  |
|  | 7902 |  | FORD    |  | ANALYST   |  | 7566 |  | 1981-12-03 |  | 3000.00 |  | NULL    |  | 20 |  |
|  | 7934 |  | MILLER  |  | CLERK     |  | 7782 |  | 1982-01-23 |  | 1300.00 |  | NULL    |  | 10 |  |
|  | 8001 |  | SHERMAN |  | ANALYST   |  | 7782 |  | 1988-01-23 |  | 2300.00 |  | NULL    |  | 20 |  |
|  | 8001 |  | SHERMAN |  | ANALYST   |  | 7782 |  | 1988-01-23 |  | 2300.00 |  | NULL    |  | 20 |  |

+-----+-----+-----+-----+-----+-----+-----+-----+

16 rows in set (0.00 sec)

MariaDB [DBS]> start transaction;

Query OK, 0 rows affected (0.00 sec)

MariaDB [DBS]> update emp set sal=sal+200 where empno=7566;INSERT INTO dept  
VALUES('40','OPERATIONS','BOSTON');

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

Query OK, 1 row affected (0.00 sec)

MariaDB [DBS]> ROLLBACK;

Query OK, 0 rows affected, 1 warning (0.01 sec)

MariaDB [DBS]> ROLLBACK;

Query OK, 0 rows affected (0.00 sec)

MariaDB [DBS]> alter table salgrade engine = innodb;

Query OK, 5 rows affected (0.11 sec)

Records: 5 Duplicates: 0 Warnings: 0

MariaDB [DBS]> select \* from salgrade;

+-----+-----+-----+

| grade | losal | hisal |

+-----+-----+-----+

| 1 | 700.00 | 1200.00 |

| 2 | 1201.00 | 1400.00 |

| 3 | 1401.00 | 2000.00 |

## MARIADB ASSIGNMENT - 1

```
| 4 | 2001.00 | 3000.00 |
```

```
| 5 | 3001.00 | 9999.00 |
```

```
+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
MariaDB [DBS]> select * from dept;
```

ERROR 2006 (HY000): MySQL server has gone away

No connection. Trying to reconnect...

Connection id: 33

Current database: DBS

```
+-----+-----+-----+
```

```
| deptno | dname   | loc   |
```

```
+-----+-----+-----+
```

```
| 10 | ACCOUNTING | NEWYORK |
```

```
| 20 | RESEARCH   | DALLAS  |
```

```
| 40 | OPERATIONS | BOSTON  |
```

```
+-----+-----+-----+
```

3 rows in set (0.54 sec)

```
MariaDB [DBS]> start transaction;
```

Query OK, 0 rows affected (0.00 sec)

```
MariaDB [DBS]> delete from dept where deptno=40;
```

Query OK, 1 row affected (0.00 sec)

```
MariaDB [DBS]> select * from dept;
```

```
+-----+-----+-----+
```

```
| deptno | dname   | loc   |
```

```
+-----+-----+-----+
```

```
| 10 | ACCOUNTING | NEWYORK |
```

```
| 20 | RESEARCH   | DALLAS  |
```

```
+-----+-----+-----+
```

2 rows in set (0.00 sec)

```
MariaDB [DBS]> ROLLBACK;
```

Query OK, 0 rows affected, 1 warning (0.00 sec)

```
MariaDB [DBS]> select * from dept;
```

```
+-----+-----+-----+
```

```
| deptno | dname   | loc   |
```

```
+-----+-----+-----+
```

```
| 10 | ACCOUNTING | NEWYORK |
```

```
| 20 | RESEARCH   | DALLAS  |
```

```
+-----+-----+-----+
```

## MARIADB ASSIGNMENT - 1

2 rows in set (0.00 sec)

```
MariaDB [DBS]> update emp set sal=sal+200 where empno=7566;INSERT INTO dept  
VALUES('40','OPERATIONS','BOSTON');
```

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

Query OK, 1 row affected (0.00 sec)

```
MariaDB [DBS]> select * from dept;
```

| deptno | dname      | loc     |
|--------|------------|---------|
| 10     | ACCOUNTING | NEWYORK |
| 20     | RESEARCH   | DALLAS  |
| 40     | OPERATIONS | BOSTON  |

3 rows in set (0.00 sec)

```
MariaDB [DBS]> ROLLBACK;
```

Query OK, 0 rows affected (0.00 sec)

```
MariaDB [DBS]> select * from dept;
```

| deptno | dname      | loc     |
|--------|------------|---------|
| 10     | ACCOUNTING | NEWYORK |
| 20     | RESEARCH   | DALLAS  |
| 40     | OPERATIONS | BOSTON  |

3 rows in set (0.00 sec)

```
MariaDB [DBS]> select * from emp where hiredate='1981%';
```

Empty set, 1 warning (0.02 sec)

```
MariaDB [DBS]> select * from emp;
```

| empno | ename  | job      | mgr  | hiredate   | sal     | comm    | deptno |
|-------|--------|----------|------|------------|---------|---------|--------|
| 7369  | SMITH  | CLERK    | 7902 | 1980-12-17 | 800.00  | NULL    | 20     |
| 7499  | ALLEN  | SALESMAN | 7698 | 1981-02-20 | 1600.00 | 300.00  | 30     |
| 7521  | WARD   | SALESMAN | 7698 | 1981-02-22 | 1350.00 | 500.00  | 30     |
| 7566  | JONES  | MANAGER  | 7839 | 1981-04-02 | 3175.00 | NULL    | 20     |
| 7654  | MARTIN | SALESMAN | 7698 | 1981-09-28 | 1250.00 | 1400.00 | 30     |
| 7698  | BLAKE  | MANAGER  | 7839 | 1981-05-01 | 2850.00 | NULL    | 30     |

## MARIADB ASSIGNMENT - 1

```
| 7782|CLARK |MANAGER |7839|1981-06-09|2450.00| NULL| 10|
| 7788|SCOTT |ANALYST |7566|1982-12-09|3000.00| NULL| 20|
| 7839|KING |PRESIDENT|NULL|1981-11-17|5000.00| NULL| 10|
| 7844|TURNER |SALESMAN |7698|1981-09-08|1600.00| 0.00| 30|
| 7876|ADAMS |CLERK |7788|1983-01-12|1100.00| NULL| 20|
| 7900|JAMES |CLERK |7698|1981-12-03| 950.00| NULL| 30|
| 7902|FORD |ANALYST |7566|1981-12-03|3000.00| NULL| 20|
| 7934|MILLER |CLERK |7782|1982-01-23|1300.00| NULL| 10|
| 8001|SHERMAN|ANALYST |7782|1988-01-23|2300.00| NULL| 20|
| 8001|SHERMAN|ANALYST |7782|1988-01-23|2300.00| NULL| 20|
```

```
+-----+-----+-----+-----+-----+-----+-----+
```

16 rows in set (0.00 sec)

MariaDB [DBS]> select \* from emp where hiredate like '1981%';

```
+-----+-----+-----+-----+-----+-----+-----+
| empno|ename |job    |mgr |hiredate |sal  |comm |deptno|
+-----+-----+-----+-----+-----+-----+-----+
| 7499|ALLEN |SALESMAN |7698|1981-02-20|1600.00| 300.00| 30|
| 7521|WARD |SALESMAN |7698|1981-02-22|1350.00| 500.00| 30|
| 7566|JONES |MANAGER |7839|1981-04-02|3175.00| NULL| 20|
| 7654|MARTIN|SALESMAN |7698|1981-09-28|1250.00|1400.00| 30|
| 7698|BLAKE |MANAGER |7839|1981-05-01|2850.00| NULL| 30|
| 7782|CLARK |MANAGER |7839|1981-06-09|2450.00| NULL| 10|
| 7839|KING |PRESIDENT|NULL|1981-11-17|5000.00| NULL| 10|
| 7844|TURNER|SALESMAN |7698|1981-09-08|1600.00| 0.00| 30|
| 7900|JAMES |CLERK |7698|1981-12-03| 950.00| NULL| 30|
| 7902|FORD |ANALYST |7566|1981-12-03|3000.00| NULL| 20|
```

```
+-----+-----+-----+-----+-----+-----+-----+
```

10 rows in set (0.00 sec)

MariaDB [DBS]>