

## 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-
```

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```
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');
```

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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

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```
| 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 |
```

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```
| 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

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```
| 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]>