

ASSESSMENT- 02

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COURSE NAME: MODERN APPLICATION DEVELOPMENT (SPRINGBOOT)

MYSQL

CREATE, INSERT

```
Command Prompt - mysql -u X + - X
Microsoft Windows [Version 10.0.22621.1702]
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C:\Users\bhadh>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 39
Server version: 10.4.25-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| phpmyadmin |
| smart |
| test |
+-----+
6 rows in set (0.001 sec)

MariaDB [(none)]> use smart;
Database changed
MariaDB [smart]> create table employee(id int, name varchar(30), role varchar(20));
Query OK, 0 rows affected (0.029 sec)

MariaDB [smart]> insert into employee values(1,'A','Manager');
Query OK, 1 row affected (0.010 sec)

MariaDB [smart]> insert into employee values(1,'B','Leader');
Query OK, 1 row affected (0.005 sec)

MariaDB [smart]> insert into employee values(1,'C','Developer');
Query OK, 1 row affected (0.006 sec)

MariaDB [smart]> select * from employee;
+----+-----+-----+
| id | name | role |
+----+-----+-----+
| 1 | A | Manager |
| 1 | B | Leader |
| 1 | C | Developer |
+----+-----+-----+
3 rows in set (0.000 sec)
```

UPDATE, DELETE

```

MariaDB [smart]> update employee set role='Assistant Leader' where name = 'C';
Query OK, 1 row affected (0.006 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [smart]> select * from employee;
+-----+-----+-----+
| id | name | role |
+-----+-----+-----+
| 1 | A | Manager |
| 1 | B | Leader |
| 1 | C | Assistant Leader |
+-----+-----+-----+
3 rows in set (0.000 sec)

MariaDB [smart]> delete from student where name='C';
ERROR 1146 (42S02): Table 'smart.student' doesn't exist
MariaDB [smart]> delete from employee where name='C';
Query OK, 1 row affected (0.007 sec)

MariaDB [smart]> select * from employee;
+-----+-----+-----+
| id | name | role |
+-----+-----+-----+
| 1 | A | Manager |
| 1 | B | Leader |
+-----+-----+-----+
2 rows in set (0.000 sec)

```

JOINS

```

MariaDB [smart]> select * from roles;
+-----+-----+-----+
| role | salary | exp |
+-----+-----+-----+
| Leader | 50000 | 3 |
| Assistant Leader | 40000 | 2 |
| Manager | 60000 | 5 |
+-----+-----+-----+
3 rows in set (0.000 sec)

MariaDB [smart]> select * from employee;
+-----+-----+-----+
| id | name | role |
+-----+-----+-----+
| 1 | A | Manager |
| 1 | B | Leader |
+-----+-----+-----+
2 rows in set (0.000 sec)

MariaDB [smart]> select from employee.name, employee.role, roles.salary from employee inner join roles
on employee.role=roles.role;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your Ma
riaDB server version for the right syntax to use near 'from employee.name, employee.role, roles.salary
from employee inner join role...' at line 1
MariaDB [smart]> select employee.name, employee.role, roles.salary from employee inner join roles on e
mployee.role=roles.role;
+-----+-----+-----+
| name | role | salary |
+-----+-----+-----+
| B | Leader | 50000 |
| A | Manager | 60000 |
+-----+-----+-----+
2 rows in set (0.001 sec)

MariaDB [smart]> select employee.name, employee.role, roles.exp from employee left join roles on emplo
yee.role=roles.role;
+-----+-----+-----+
| name | role | exp |
+-----+-----+-----+
| B | Leader | 3 |
| A | Manager | 5 |
+-----+-----+-----+
2 rows in set (0.001 sec)

```

MONGODB:

INSERT

```

test> use course
switched to db course
course> db.createCollection("students")
{ ok: 1 }
course> show dbs
admin    40.00 KiB
config  72.00 KiB
course   8.00 KiB
local    40.00 KiB
course> db
course
course> db.course.insertOne({name:"a"})
{
  acknowledged: true,
  insertedId: ObjectId("64738a2dbe2399bf87d32c2f")
}
course> db.course.insertOne({name:"b"})
{
  acknowledged: true,
  insertedId: ObjectId("64738a32be2399bf87d32c30")
}
course> db.course.insertOne({name:"c",course="cse"})
... ;
Uncaught:
SyntaxError: Invalid shorthand property initializer. (1:36)

> 1 | db.course.insertOne({name:"c",course="cse"})
    |                               ^
    2 | ;
    3 |

course> db.course.insertOne({name:"c",course:"cse"}) ;
{
  acknowledged: true,
  insertedId: ObjectId("64738a5bbe2399bf87d32c31")
}

```

INSERT MANY

```

course> db.course.insertMany([{name:"d",course:"ece"},{name:"e",course:"it"}]);
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("64738ac4be2399bf87d32c32"),
    '1': ObjectId("64738ac4be2399bf87d32c33")
  }
}

```

FIND

```
course> db.course.find()
[
  { _id: ObjectId("64738a2dbe2399bf87d32c2f"), name: 'a' },
  { _id: ObjectId("64738a32be2399bf87d32c30"), name: 'b' },
  {
    _id: ObjectId("64738a5bbe2399bf87d32c31"),
    name: 'c',
    course: 'cse'
  },
  {
    _id: ObjectId("64738ac4be2399bf87d32c32"),
    name: 'd',
    course: 'ece'
  },
  {
    _id: ObjectId("64738ac4be2399bf87d32c33"),
    name: 'e',
    course: 'it'
  }
]
```

UPDATE

```
course> db.course.updateOne({name:"e"},{$set: {course:"eee"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
{
  _id: ObjectId("64738ac4be2399bf87d32c33"),
  name: 'e',
  course: 'eee'
}
```

DELETE:

```
course> db.course.deleteOne({name:"e"})
{ acknowledged: true, deletedCount: 1 }
course> db.course.find()
[
  { _id: ObjectId("64738a2dbe2399bf87d32c2f"), name: 'a' },
  { _id: ObjectId("64738a32be2399bf87d32c30"), name: 'b' },
  {
    _id: ObjectId("64738a5bbe2399bf87d32c31"),
    name: 'c',
    course: 'cse'
  },
  {
    _id: ObjectId("64738ac4be2399bf87d32c32"),
    name: 'd',
    course: 'ece'
  }
]
```