SMARTBRIDGE EXTERNSHIP MODERN APPLICATION DEVELOPMENT

Java Spring Boot ASSIGNMENT- 2

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1. CREATE, UPDATE, DELETE COMMANDS IN MySQL.

Create



Update

```
MySQL > 1
CREATE TABLE student (
2   Id INTEGER PRIMARY KEY,
3   name TEXT NOT NULL,
4   dept TEXT NOT NULL
5 );
6
7 -- insert
8   INSERT INTO student VALUES (1, 'john', 'cricket');
9   INSERT INTO student VALUES (2, 'virat', 'cricket');
10   INSERT INTO student VALUES (3, 'sindhu', 'batmintion');
11
12 -- fetch
13   SELECT * FROM student;
14
15 -- update
16   update student set dept="all" where Id=2;
17   SELECT * FROM student;
```

```
▶ Run
                                             B Save
Output
 Id
        name
                dept
        john cricket
 1
 2
        virat cricket
 3
        sindhu batmintion
 Id
        name dept
 1
        john
               cricket
 2
        virat all
        sindhu batmintion
 [Execution complete with exit code 0]
```

Delete

```
MySQL V 1
  1 CREATE TABLE student (
       Id INTEGER PRIMARY KEY,
  3
       name TEXT NOT NULL,
       dept TEXT NOT NULL
  4
  5);
  6
  7 -- insert
8 INSERT INTO student VALUES (1, 'john', 'cricket');
9 INSERT INTO student VALUES (2, 'virat', 'cricket');
10 INSERT INTO student VALUES (3, 'sindhu', 'batmintion');
11
 12 -- fetch
 13 SELECT * FROM student;
14
15 -- update
16 update student set dept="all" where Id=2;
17 SELECT * FROM student;
18
 19 -- delete
 20 delete from student where Id=2;
 21 SELECT * FROM student;
```



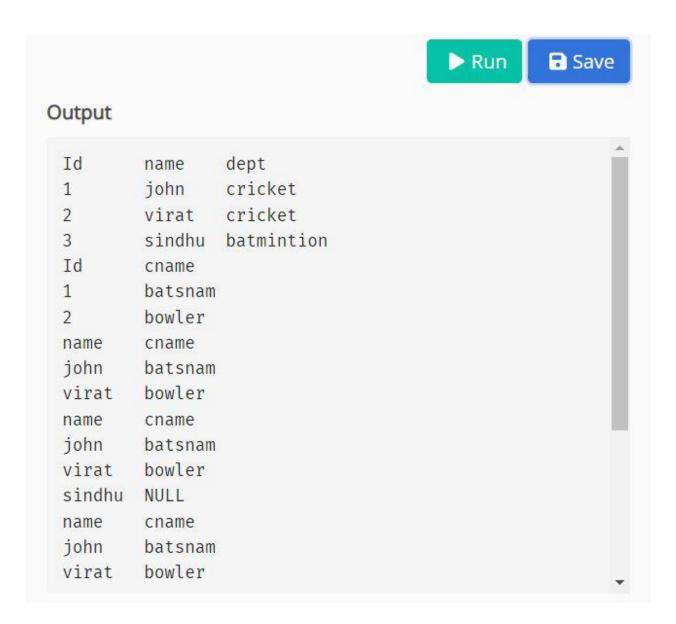


```
Id
       name
               dept
1
               cricket
       john
2
       virat cricket
3
       sindhu batmintion
Id
       name
              dept
1
       john
              cricket
               all
2
       virat
3
       sindhu batmintion
Id
              dept
       name
1
       john
              cricket
3
       sindhu batmintion
[Execution complete with exit code 0]
```

2. CREATE TABLES AND PERFORM JOINS IN MYSQL.

```
MySQL V
  1 CREATE TABLE student (
       Id INTEGER PRIMARY KEY,
      name TEXT NOT NULL,
       dept TEXT NOT NULL
  5);
  6
  7 -- insert
 8 INSERT INTO student VALUES (1, 'john', 'cricket');
9 INSERT INTO student VALUES (2, 'virat', 'cricket');
10 INSERT INTO student VALUES (3, 'sindhu', 'batmintion');
 11
 12 -- fetch
 13 SELECT * FROM student;
 14
 15 -- create
 16 CREATE TABLE course (
 17 Id INTEGER PRIMARY KEY,
       cname TEXT NOT NULL
 18
 19 );
 20
 21 -- insert
 22 INSERT INTO course VALUES (1, 'batsnam');
 23 INSERT INTO course VALUES (2, 'bowler');
 24
 25 -- fetch
 26 select * from course;
 27
28 -- inner ioin
```

```
MySQL V
              0
11
12 -- fetch
13 SELECT * FROM student;
15 -- create
16 CREATE TABLE course (
17 Id INTEGER PRIMARY KEY,
     cname TEXT NOT NULL
18
19 );
20
 21 -- insert
22 INSERT INTO course VALUES (1, 'batsnam');
23 INSERT INTO course VALUES (2, 'bowler');
 25 -- fetch
 26 select * from course;
 27
 28 -- inner join
 29 select student.name,course.cname from student inner join course on student.Id=course.Id;
 30
 32 select student.name,course.cname from student left join course on student.Id=course.Id;
33
 34 -- right join
 35 select student.name,course.cname from student right join course on student.Id=course.Id;
 37 -- cross join
38 select name from student crosss join course;
```





3. CREATE, UPDATE, DELETE COMMANDS IN MANGODB

CREATE

```
Run
                                                  B Save
Output
  mycompiler_mongodb> ...
   acknowledged: true,
   insertedIds: {
     '0': ObjectId("6474665f5bc5a30e26383486"),
     '1': ObjectId("6474665f5bc5a30e26383487"),
     '2': ObjectId("6474665f5bc5a30e26383488")
   }
 }
 mycompiler_mongodb>
 mycompiler_mongodb> [
     _id: ObjectId("6474665f5bc5a30e26383486"),
     Id: 1,
     name: 'john',
     dept: 'cricket'
```





```
},
{
    _id: ObjectId("6474665f5bc5a30e26383487"),
    Id: 2,
    name: 'virat',
    dept: 'cricket'
},
{
    _id: ObjectId("6474665f5bc5a30e26383488"),
    Id: 3,
    name: 'sindhu',
    dept: 'batmintion'
}

]
mycompiler_mongodb>
[Execution complete with exit code 0]
```

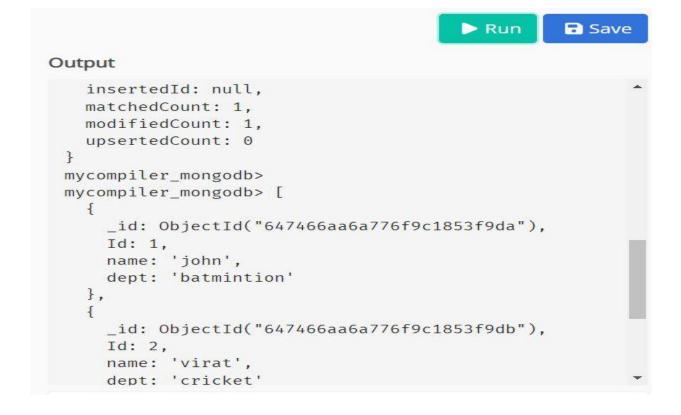
Update

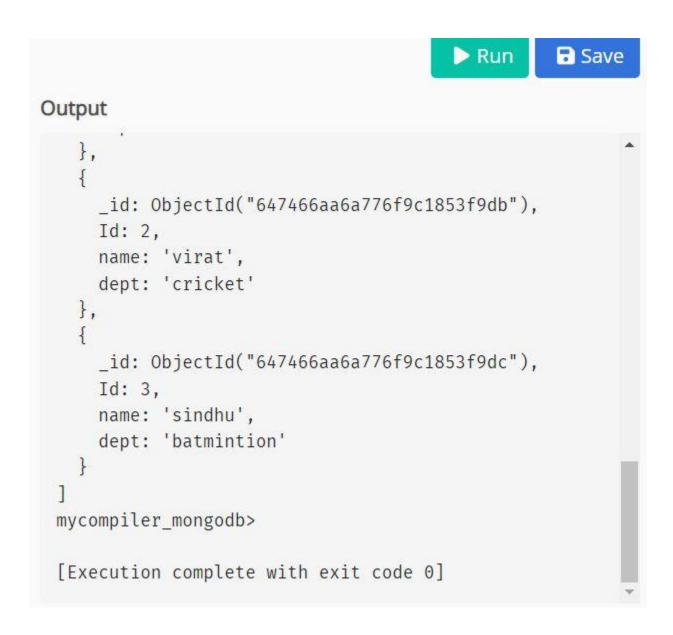
▶ Run



```
mycompiler_mongodb> ... ... {
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("647466aa6a776f9c1853f9da"),
    '1': ObjectId("647466aa6a776f9c1853f9db"),
    '2': ObjectId("647466aa6a776f9c1853f9dc")
  }
}
mycompiler_mongodb>
mycompiler_mongodb> [
  {
    _id: ObjectId("647466aa6a776f9c1853f9da"),
    Id: 1,
    name: 'john',
    dept: 'cricket'
  },
```

```
▶ Run
                                                   B Save
Output
   1
     _id: ObjectId("647466aa6a776f9c1853f9db"),
     Id: 2,
     name: 'virat',
     dept: 'cricket'
   },
   {
     _id: ObjectId("647466aa6a776f9c1853f9dc"),
     Id: 3,
     name: 'sindhu',
     dept: 'batmintion'
   }
 ]
 mycompiler_mongodb>
 mycompiler_mongodb> {
   acknowledged: true,
   insertedId: null,
   matchedCount: 1,
```





Delete





```
mycompiler_mongodb> ... ... {
   acknowledged: true,
   insertedIds: {
     '0': ObjectId("647466aa6a776f9c1853f9da"),
     '1': ObjectId("647466aa6a776f9c1853f9db"),
     '2': ObjectId("647466aa6a776f9c1853f9dc")
   }
}
mycompiler_mongodb>
mycompiler_mongodb> [
   {
    _id: ObjectId("647466aa6a776f9c1853f9da"),
     Id: 1,
     name: 'john',
     dept: 'cricket'
   },
}
```



```
{
    _id: ObjectId("647466f6cb822b2842c45bea"),
    Id: 2,
    name: 'virat',
    dept: 'cricket'
},
{
    _id: ObjectId("647466f6cb822b2842c45beb"),
    Id: 3,
    name: 'sindhu',
    dept: 'batmintion'
}
]
mycompiler_mongodb> DeprecationWarning: Collection.ren
{ acknowledged: true, deletedCount: 1 }
mycompiler_mongodb> [
```

Run



```
mycompiler_mongodb>
mycompiler_mongodb> DeprecationWarning: Collection.ren
{    acknowledged: true, deletedCount: 1 }
mycompiler_mongodb> [
    {
        _id: ObjectId("647466f6cb822b2842c45be9"),
        Id: 1,
        name: 'john',
        dept: 'cricket'
    },
    {
        _id: ObjectId("647466f6cb822b2842c45beb"),
        Id: 3,
        name: 'sindhu',
        dept: 'batmintion'
    }
}
```