

Group 4

Assignment 6

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Sol (a) Code-

mysql>

```
try { db.students.bulkWrite([ { insertOne: { "document": { "ROLL_NO": "B15033",
"Name": "John", "Age": 23, "Semester": 3, "GPA": { "CGPA": 7.9, "SGPA": 7.95,
"uom": "Grade point", "Hometown": "Kanpur" } } }, {
insertOne: { "document": { "ROLL_NO": "B15053", "Name": "Harry", "Age": 29,
"Semester": 8, "GPA": { "CGPA": 9.9, "SGPA": 9.95, "uom": "Grade point",
"Hometown": "Lucknow" } } } ] }); } catch (e) { print(e); }
```

Output-

```
> try { db.students.bulkWrite([ { insertOne: { "document": { "ROLL_NO": "B15033", "Name": "John", "Age":
23, "Semester": 3, "GPA": { "CGPA": 7.9, "SGPA": 7.95, "uom": "Grade point", "Hometown": "Kanpur" } } }, { i
nsertOne: { "document": { "ROLL_NO": "B15053", "Name": "Harry", "Age": 29, "Semester": 8, "GPA": { "CGPA"
: 9.9, "SGPA": 9.95, "uom": "Grade point", "Hometown": "Lucknow" } } } ] }); } catch (e) { print(e); }
{
  "acknowledged" : true,
  "deletedCount" : 0,
  "insertedCount" : 2,
  "matchedCount" : 0,
  "upsertedCount" : 0,
  "insertedIds" : {
    "0" : ObjectId("5bc41eb6c561698c1ea2adf9"),
    "1" : ObjectId("5bc41eb6c561698c1ea2adfa")
  },
  "upsertedIds" : {
  }
}
```

Collection-

```
> db.students.find().forEach(printjson);
{
  "_id" : ObjectId("5bc41eb6c561698c1ea2adf9"),
  "ROLL_NO" : "B15033",
  "Name" : "John",
  "Age" : 23,
  "Semester" : 3,
  "GPA" : {
    "CGPA" : 7.9,
    "SGPA" : 7.95,
    "uom" : "Grade point"
  },
  "Hometown" : "Kanpur"
}
{
  "_id" : ObjectId("5bc41eb6c561698c1ea2adfa"),
  "ROLL_NO" : "B15053",
  "Name" : "Harry",
  "Age" : 29,
  "Semester" : 8,
  "GPA" : {
    "CGPA" : 9.9,
    "SGPA" : 9.95,
    "uom" : "Grade point"
  },
  "Hometown" : "Lucknow"
}
```

Sol (b) Code-

mysql>

```
try { db.students.bulkWrite([ { updateOne: { "filter": { "ROLL_NO": "B15053" },  
"update": { $set : { "Hometown" : "Delhi" } } } ] ); } catch (e) { print(e); }
```

Output-

```
> try { db.students.bulkWrite([ { updateOne: { "filter": { "ROLL_NO": "B15053" }, "update": { $set : { "Hometown" : "Delhi" } } } ] ); } catch (e) { print(e); }  
{  
  "acknowledged" : true,  
  "deletedCount" : 0,  
  "insertedCount" : 0,  
  "matchedCount" : 1,  
  "upsertedCount" : 0,  
  "insertedIds" : {  
  
  },  
  "upsertedIds" : {  
  
  }  
}
```

Collection-

```
> db.students.find().forEach(printjson);  
{  
  "_id" : ObjectId("5bc41eb6c561698c1ea2adf9"),  
  "ROLL_NO" : "B15033",  
  "Name" : "John",  
  "Age" : 23,  
  "Semester" : 3,  
  "GPA" : {  
    "CGPA" : 7.9,  
    "SGPA" : 7.95,  
    "uom" : "Grade point"  
  },  
  "Hometown" : "Kanpur"  
}  
{  
  "_id" : ObjectId("5bc41eb6c561698c1ea2adfa"),  
  "ROLL_NO" : "B15053",  
  "Name" : "Harry",  
  "Age" : 29,  
  "Semester" : 8,  
  "GPA" : {  
    "CGPA" : 9.9,  
    "SGPA" : 9.95,  
    "uom" : "Grade point"  
  },  
  "Hometown" : "Delhi"  
}
```