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C-3

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Page 4

Lab 2

Collections:

1) Employee [ID, Name, Age, Dept, Salary]
2) Department [ID, Name, Manager, Location]

Perform following Mongo DB operations

1. Insert at least five documents in each collection using all 3 methods of insertion.

db.Employee.insert({_id:1, Name: "Madan Lal", Age: 31, Dept:1, Salary: 50000.00})

db.Employee.update({_id:2, Name: "John Cummins", Age: 24, Dept:2, Salary: 42500.00}, {upsert: true});

db.Employee.update({_id:2, Name: "John Cummins", Age: 24}, {$set:{Dept:3}}, {upsert: false});

Many

db.Department.insert([{_id:1, Name: "Sales", Manager: "Shyam Mohan", Location: "Bengaluru"},
{_id:2, Name: "IT", Manager: "Shakti Lal", Location: "Hyderabad"}]);

2. Update "Employee" collection to add new field to an existing document.

db.Employee.update({_id:1},{$set:{"Address":"Bilakahalli"}});

3. Remove a field from an existing document.

db.Employee.update({_id:1},{$unset:{Address:"Bilakahalli"}});

4. Select all documents from both collections.

db.Employee.find().pretty();
db.Department.find().pretty();

5. Select only employee name & department number whose dept.no. falls between 1001 to 1005.

db.Employee.find({_id:{$gt 1000},{$lt 1006}},{Name:true,_id:true});

6. Select employee documents whose name begins with 'A'

db.Employee.find({"Name": {$regex: "^A"}});

7. Select employee documents whose age is greater than 30

db.Employee.find({Age: {$gt: 30}});