

M2

Problem Statement:

MongoDB queries: find name where age<30 and salary>50000; upsert Tester/TCS/25; select age<30 OR salary>40000; Designation != Developer; find _id, Designation, Address, Name where Company_name='Infosys'; display only FName and LName.

Code:

```
// M2: Mongo shell commands
// 1. Name where age < 30 and salary > 50000
db.employee.find({Age: {$lt: 30}, Salary: {$gt: 50000}}, {Name:1, _id:0});

// 2. Upsert Tester/TCS/25
db.employee.updateOne({Designation:'Tester', Company_name:'TCS', Age:25},
  {$setOnInsert:{Name:{FName:'Up',LName:'Tester'}, Salary:25000}}, {upsert:true});

// 3. age < 30 OR salary > 40000
db.employee.find({$or: [{Age: {$lt:30}}, {Salary: {$gt:40000}}]});

// 4. Designation != Developer
db.employee.find({Designation: {$ne: 'Developer'}});

// 5. _id, Designation, Address, Name where Company_name is 'Infosys'
db.employee.find({Company_name:'Infosys'}, {_id:1, Designation:1, Address:1, Name:1});

// 6. Display only FName and LName
db.employee.find({}, {'Name.FName':1, 'Name.LName':1, _id:0});
```