Practical 2

Aim: Write a program to implement MongoDB CRUD Operations.

1. **Create Operation**

```
> use Aman
< switched to db Aman
> db["Staff"].find()
<
> db.Staff.insertOne({
  fname: "Rohan",
  mname: "Singh",
  lname: "Rathour"
  })
< {
    acknowledged: true,
    insertedId: ObjectId('67d8371475b1e2561f75ad81')
  }
```

```
> db.Students.insertMany([
  {
  fname: "Hitesh",
  mname: "Malviya",
  lname: "Mitesh",
  age: 23
  },
  {
  fname: "Vikas",
  mname: "Makwanaa",
  lname: "RajBhar",
  age: 50
  }
  ])
< {
    acknowledged: true,
    insertedIds: {
      '0': ObjectId('67d8385d75b1e2561f75ad82'),
      '1': ObjectId('67d8385d75b1e2561f75ad83')
    }
  }
```

2. **Read Operation**

```
> db.Students.find()
< {
    _id: ObjectId('67d8385d75b1e2561f75ad83'),
    fname: 'Vikas',
    mname: 'Makwanaa',
    lname: 'RajBhar',
    age: 30
  }
> db.Staff.find()
< {
    _id: ObjectId('67d8371475b1e2561f75ad81'),
    fname: 'Devi',
    mname: 'Singh',
    lname: 'Rathour',
    age: 23
  }
> db.Students.findOne({ fname: "Chappri" })
< null
```

3. **Update Operation**

```
> db.Staff.updateOne({fname: "Rohan"},{$set:{fname:"Kamal"}})
< {
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 1,
    upsertedCount: 0
  }
> db.Staff.updateOne({mname: "Singh"},{$set:{fname:"Devi"}})
< {
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 1,
    upsertedCount: 0
  }
```

4. **Delete Operation**

```
> db.Students.deleteOne({mname: "Malviya"})
< {
    acknowledged: true,
    deletedCount: 1
  }
```