Group B

Assignment – 1

Problem Statement : Design and Develop MongoDB Queries using CRUD operations. (Use CRUD operations, SAVE method, logical operators etc.).

```
Pratik> use Pratik
already on db Pratik
Pratik> db.createCollection("Courses");
{ ok: 1 }
Pratik>
db.Courses.insertMany([{"Sub_id":1,"S_name":"DBMS","Course_code":310241},
{"Sub_id":2,"S_name":"TOC","Course_code":310242},{"Sub_id":3,"S_name":"SP
OS","Course_code":310243},{"Sub_id":4,"S_name":"CNS","Course_code":310244
},{"Sub_id":5,"S_name":"SPM","Course_code":310245}]);
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('66f2bd35cd17299a50c73bfe'),
    '1': ObjectId('66f2bd35cd17299a50c73bff'),
    '2': ObjectId('66f2bd35cd17299a50c73c00'),
    '3': ObjectId('66f2bd35cd17299a50c73c01'),
    '4': ObjectId('66f2bd35cd17299a50c73c02')
  }
}
Pratik> db.Courses.find();
[
  {
    _id: ObjectId('66f2bd35cd17299a50c73bfe'),
    Sub_id: 1,
    S_name: 'DBMS',
    Course_code: 310241
  },
  {
    _id: ObjectId('66f2bd35cd17299a50c73bff'),
    Sub_id: 2,
    S_name: 'TOC',
    Course_code: 310242
  },
  {
    _id: ObjectId('66f2bd35cd17299a50c73c00'),
    Sub_id: 3,
    S_name: 'SPOS',
    Course_code: 310243
  },
  {
    _id: ObjectId('66f2bd35cd17299a50c73c01'),
    Sub_id: 4,
    S_name: 'CNS',
    Course_code: 310244
  },
  {
    _id: ObjectId('66f2bd35cd17299a50c73c02'),
    Sub_id: 5,
    S_name: 'SPM',
    Course_code: 310245
  }
]

Pratik> db.Courses.remove({"Sub_id":3});
{ acknowledged: true, deletedCount: 1 }
Pratik> db.Courses.find();
```

```
[
  {
    _id: ObjectId('66f2bd35cd17299a50c73bfe'),
    Sub_id: 1,
    S_name: 'DBMS',
    Course_code: 310241
  },
  {
    _id: ObjectId('66f2bd35cd17299a50c73bff'),
    Sub_id: 2,
    S_name: 'TOC',
    Course_code: 310242
  },
  {
    _id: ObjectId('66f2bd35cd17299a50c73c01'),
    Sub_id: 4,
    S_name: 'CNS',
    Course_code: 310244
  },
  {
    _id: ObjectId('66f2bd35cd17299a50c73c02'),
    Sub_id: 5,
    S_name: 'SPM',
    Course_code: 310245
  }
]
```
**Pratik> db.Courses.replaceOne({Sub_id:4},{Sub_id:6,S_name:"CNS
Laboratory",Course_code:310247});**
```
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```
Pratik> db.Courses.find();
```
[
  {
    _id: ObjectId('66f2bd35cd17299a50c73bfe'),
    Sub_id: 1,
    S_name: 'DBMS',
    Course_code: 310241
  },
  {
    _id: ObjectId('66f2bd35cd17299a50c73bff'),
    Sub_id: 2,
    S_name: 'TOC',
    Course_code: 310242
  },
  {
    _id: ObjectId('66f2bd35cd17299a50c73c01'),
    Sub_id: 6,
    S_name: 'CNS Laboratory',
    Course_code: 310247
  },
  {
    _id: ObjectId('66f2bd35cd17299a50c73c02'),
    Sub_id: 5,
    S_name: 'SPM',
    Course_code: 310245
  }
]
```