**Assignment Group: B**

**Assignment NO 10**

**Assignment Title**:

MongoDB Queries:

Design and Develop MongoDB Queries using CRUD operations. (Use CRUD operations, SAVE

method, logical operators etc.)

gescoe@gescoe-OptiPlex-3010:~$ mongo

MongoDB shell version: 2.6.12

connecting to: test

> use TEB19;

switched to db TEB19

> db.createCollection("Student");

{ "ok" : 1}

> db.Student.insert({"Rollno":1,"Name":"Saee","Branch":"Computer","Marks":95});

WriteResult({ "nInserted" : 1 })

> db.Student.insert({"Rollno":2,"Name":"Sayali","Branch":"IT","Marks":75});

WriteResult({ "nInserted" : 1 })

> db.Student.insert({"Rollno":3,"Name":"Gauri","Branch":"Mechanical","Marks":82});

WriteResult({ "nInserted" : 1 })

> db.Student.insert({"Rollno":4,"Name":"Jayesh","Branch":"Computer","Marks":60});

WriteResult({ "nInserted" : 1 })

> db.Student.find().pretty();

{

"\_id" : ObjectId("66c5c039f69f7a64bf57360b"),

"Rollno" : 1,

"Name" : "Saee",

"Branch" : "Computer",

"Marks" : 95

}

{

"\_id" : ObjectId("66c5c05af69f7a64bf57360c"),

"Rollno" : 2,

"Name" : "Sayali",

"Branch" : "IT",

"Marks" : 75

}

{

"\_id" : ObjectId("66c5c07df69f7a64bf57360d"),

"Rollno" : 3,

"Name" : "Gauri",

"Branch" : "Mechanical",

"Marks" : 82

}

{

"\_id" : ObjectId("66c5c0a1f69f7a64bf57360e"),

"Rollno" : 4,

"Name" : "Jayesh",

"Branch" : "Computer",

"Marks" : 60

}

> db.Student.update({"Name":"Jayesh"},{$set:{"Name":"Shau"}});

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.Student.find().pretty();

{

"\_id" : ObjectId("66c5c039f69f7a64bf57360b"),

"Rollno" : 1,

"Name" : "Saee",

"Branch" : "Computer",

"Marks" : 95

}

{

"\_id" : ObjectId("66c5c05af69f7a64bf57360c"),

"Rollno" : 2,

"Name" : "Sayali",

"Branch" : "IT",

"Marks" : 75

}

{

"\_id" : ObjectId("66c5c07df69f7a64bf57360d"),

"Rollno" : 3,

"Name" : "Gauri",

"Branch" : "Mechanical",

"Marks" : 82

}

{

"\_id" : ObjectId("66c5c0a1f69f7a64bf57360e"),

"Rollno" : 4,

"Name" : "Shau",

"Branch" : "Computer",

"Marks" : 60

}

> db.Student.remove({"Rollno":3});

WriteResult({ "nRemoved" : 1 })

> db.Student.find().pretty();

{

"\_id" : ObjectId("66c5c039f69f7a64bf57360b"),

"Rollno" : 1,

"Name" : "Saee",

"Branch" : "Computer",

"Marks" : 95

}

{

"\_id" : ObjectId("66c5c05af69f7a64bf57360c"),

"Rollno" : 2,

"Name" : "Sayali",

"Branch" : "IT",

"Marks" : 75

}

{

"\_id" : ObjectId("66c5c0a1f69f7a64bf57360e"),

"Rollno" : 4,

"Name" : "Shau",

"Branch" : "Computer",

"Marks" : 60

}

> db.Student.save({"\_id" :

ObjectId("66c5c0a1f69f7a64bf57360e"),"Branch":"AIDS","Marks":80});

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.Student.find().pretty();

{

"\_id" : ObjectId("66c5c039f69f7a64bf57360b"),

"Rollno" : 1,

"Name" : "Saee",

"Branch" : "Computer",

"Marks" : 95

}

{

"\_id" : ObjectId("66c5c05af69f7a64bf57360c"),

"Rollno" : 2,

"Name" : "Sayali",

"Branch" : "IT",

"Marks" : 75

}

{

"\_id" : ObjectId("66c5c0a1f69f7a64bf57360e"),

"Branch" : "AIDS",

"Marks" : 80

}

> db.Student.find({$and:[{"Branch":"Computer"},{"Marks":95}]}).preety();

{

"\_id" : ObjectId("66c5c039f69f7a64bf57360b"),

"Rollno" : 1,

"Name" : "Saee",

"Branch" : "Computer",

"Marks" : 95

}

> db.Student.find({$or:[{"Branch":"Computer"},{"Marks":75}]}).preety();

{

"\_id" : ObjectId("66c5c039f69f7a64bf57360b"),

"Rollno" : 1,

"Name" : "Saee",

"Branch" : "Computer",

"Marks" : 95

}

{

"\_id" : ObjectId("66c5c05af69f7a64bf57360c"),

"Rollno" : 2,

"Name" : "Sayali",

"Branch" : "IT",

"Marks" : 75

}

> db.Student.find({$nor:[{"Branch":"Computer"},{"Marks":75}]}).preety();

{

"\_id" : ObjectId("66c5c0a1f69f7a64bf57360e"),

"Branch" : "AIDS",

"Marks" : 80

}

> db.Student.find({$and:[{"Branch":"Computer"},{"Marks":{$gt:90}}]}).preety();

{

"\_id" : ObjectId("66c5c039f69f7a64bf57360b"),

"Rollno" : 1,

"Name" : "Saee",

"Branch" : "Computer",

"Marks" : 95

}

>