## Program 3

## MongoDB- CRUD Demonstration

I. Perform the following DB operations using MongoDB.

```
1. Create a database "Student" with the following attributes Rollno, Age, ContactNo, Email- Id.
> use StudentDB
2. Insert appropriate values
> db.students.insertMany([
  { Rollno: 1, Age: 20, ContactNo: "1234567890", EmailId: "student1@example.com" },
  { Rollno: 2, Age: 21, ContactNo: "1234567891", EmailId: "student2@example.com" },
  { Rollno: 10, Age: 22, ContactNo: "1234567892", EmailId: "student10@example.com" },
  { Rollno: 11, Age: 23, ContactNo: "1234567893", EmailId: "student11@example.com", Name:
"ABC" }
])
3. Write query to update Email-Id of a student with rollno 10.
> db.students.updateOne(
  { Rollno: 10 },
  { Sset: { EmailId: "newemail10@example.com" } }
)
4. Replace the student's name from "ABC" to "FEM" of rollno 11
> db.students.updateOne(
  { Rollno: 11, Name: "ABC" },
  { $set: { Name: "FEM" } }
```

```
### Company to company to proceed the principal principal and principal and principal and the principa
```

## II. Perform the following DB operations using MongoDB.

 Create a collection by name Customers with the following attributes. Cust\_id, Acc\_Bal, use Bank;

```
db.Customers.insertOne({
    Cust_id: 1,
    Acc_Bal: 1000,
    Acc_Type: "A"
});

2. Insert at least 5 values into the table
    use CustomerDB
    db.customers.insertMany(
[
    { Cust_id: 1, Acc_Bal: 1500, Acc_Type: 'Z' },
    { Cust_id: 2, Acc_Bal: 800, Acc_Type: 'Y' },
    { Cust_id: 3, Acc_Bal: 2000, Acc_Type: 'Z' },
    { Cust_id: 4, Acc_Bal: 1000, Acc_Type: 'Z' },
    { Cust_id: 5, Acc_Bal: 1300, Acc_Type: 'Z' },
```

Write a query to display those records whose total account balance is greater than 1200 of account type 'Z' for each customer\_id.

```
db.Customers.find({
   Acc_Type: "Z",
   Acc_Bal: { $gt: 1200 }
});
```

4. Determine Minimum and Maximum account balance for each

```
tilas stias-r2nt5-shard-0 (primary) Basko sh.customers.aggregate[[ { Sgroup: (_idi "Ecust_id",minHalance: ( Smin: "Sacc_Eal" ), mamBalance: { Sman: "Sacc_Eal" } } } } ];

[ _ jul : Shartld("SaccazzahedShartfashart"),
    [_idi : Shartlaince: 1900, mambalance: 1500 ),
    [_idi : Shartlaince: 1900, mambalance: 1900 ),
    [_idi : Shartlaince: 1900, mambalance: 1800 )
```