Assignment . 9 B-1 Name: Omkan gaikwad Rollno 31126 BAJAJ

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Title: Mongo DB Queries

# Problem Statement:

De lubrite moga DB queries to perform (RVD)

# Objectives:

- Understand the concept of binary ISON
- Understand the concept of Mungo DB document

# SM & HW Requirements:

MongoDB installed. Windows 10 64 bit, 8GB RAM

#### Theory

MongoDB a cross platform, document oriented database that provides high performance, high availability of easy scalability. MongoDB works on concept of collection of document.

# database:

patabase is physical container for collections. Each database gets ils own set of files on the file system. A single Mongo DB server typically has multiple databases.

# collection:

Collection is group of Mongo DB documents.

It is equivalent of RDBMs table. A collection exists within a single database

collections do not enforce a schema. Documents within a collection can have different fields. Typically all documents in collection are of similar or related purpose. Document-Document is a set of value pairs. pocuments have dynamic schema means that documents in same collection can have different RDBMS Mongo DR table -> collection Tuple/Row -> document Table pin -> Embedded documents promary key -> promary key (4d) CRUD operations: i) db. createcollection (name, options) ab collection-name insertone (document) db collection-name inscritming (1. documenty) a) db. collection-name find () 3 db. collection\_name update (criteria, updatedata) 4) collection name remove (conteria) 5) db. collection-name save (5-1d; new-data )) conclusion : dillum and Success fully designed of developed mango DB queries for CRUP operations.

```
show dbs
use Assignment9
db
db.student.insertOne({
       rollno: "31126",
       name: "Omkar Gaikwad",
       class: "TE1"
})
db.student.insertMany([
{
       rollno: "31127",
       name: "Omkar Gaikwad",
       class: "TE1"
},
{
       rollno: "31128",
       name: "Gayatri Godbole",
       class: "TE1"
}
])
db.student.find().pretty()
db.student.find({"rollno":"31127"}).pretty()
db.student.update({
       "rollno": "31127"
},
{
       $set:
       {"name":"Vimal Galani"}
})
db.student.remove({"rollno":"31127"})
db.student.find().pretty()
```

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