Perform following queries using use, drop, createcollection, dropcollection, insertOne and insertMany method.

Part – A

1. Create a new database named “Darshan”.

* “use Darshan”

1. Create another new database named “DIET”.

* “use DIET”

1. List all databases.

* “show databases”

1. Check the current database.

* “db”

1. Drop “DIET” database.

* “db.dropDatabase()”

1. Create a collection named “Student” in the “Darshan” database.

* “use Darshan”
* “db.createCollection('Student')”

1. Create a collection named “Department” in the “Darshan” database.

* “db.createCollection('Department')”

1. List all collections in the “Darshan” database.

* “show collections”

9. Insert a single document using insertOne into “Department” collection. (Dname:’CE’, HOD:’Patel’)

* “db.Department.insertOne({Dname:'CE', HOD: 'Patel'})”

10. Insert two document using insertMany into “Department” collection. (Dname:’IT’ and Dname:’ICT’)

* “db.Department.insertMany([

{Dname:'IT'},

{Dname:'ICT'}

])”

11. Drop a collection named “Department” from the “Darshan” database.

* db.Department.drop()

12. Insert a single document using insertOne into “Student” collection. (Fields are Name, City, Branch, Semester, Age) Insert your own data.

* db.Student.insertOne({Name:'Dhairya Bhatt', City:'Junagadh', Branch:'CSE', Semester:4, Age:18})

13. Insert three documents using insertMany into “Student” collection. (Fields are Name, City, Branch, Semester, Age) Insert your three friend’s data.

* db.Student.insertMany([

{Name:'Viraj Odedra', City:'Kutiyana', Branch:'CSE', Semester:4, Age:19},

{Name:'Pruthviraj Chauhan', City:'Wakaner', Branch:'CSE', Semester:4, Age:5},

{Name:'Manav Kotecha', City:'Porbandar', Branch:'CSE', Semester:4, Age:18}

])

14. Check whether “Student” collection exists or not.

* db.getCollectionNames().includes('Student')

15. Check the stats of “Student” collection.

* db.Student.stats()

16. Drop the “Student” collection.

* db.Student.drop()

17. Create a collection named “Deposit”.

* db.createCollection('Deposit')

18. Insert following data in to “Deposit” collection.

* db.Deposit.insertMany([
* { ACTNO: 101, CNAME: 'ANIL', BNAME: 'VRCE', AMOUNT: 1000.00, CITY: 'RAJKOT' },
* { ACTNO: 102, CNAME: 'SUNIL', BNAME: 'AJNI', AMOUNT: 5000.00, CITY: 'SURAT' },
* { ACTNO: 103, CNAME: 'MEHUL', BNAME: 'KAROLBAGH', AMOUNT: 3500.00, CITY: 'BARODA' },
* { ACTNO: 104, CNAME: 'MADHURI', BNAME: 'CHANDI', AMOUNT: 1200.00, CITY: 'AHMEDABAD' },
* { ACTNO: 105, CNAME: 'PRMOD', BNAME: 'M.G. ROAD', AMOUNT: 3000.00, CITY: 'SURAT' },
* { ACTNO: 106, CNAME: 'SANDIP', BNAME: 'ANDHERI', AMOUNT: 2000.00, CITY: 'RAJKOT' },
* { ACTNO: 107, CNAME: 'SHIVANI', BNAME: 'VIRAR', AMOUNT: 1000.00, CITY: 'SURAT' },
* { ACTNO: 108, CNAME: 'KRANTI', BNAME: 'NEHRU PLACE', AMOUNT: 5000.00, CITY: 'RAJKOT' }
* ])

19. Display all the documents of “Deposit” collection.

* db.Deposit.find()

20. Drop the “Deposit” collection.

* db.Deposit.drop()

Part – B

1. Create a new database named “Computer”.

use Computer

1. Create a collection named “Faculty” in the “Computer” database.

db.createCollection('Faculty')

1. Insert a below document using insertOne into “Faculty” collection.

db.Faculty.insertOne({FID:1, FNAME: 'ANIL', BNAME: 'CE', SALARY: 10000, JDATE: '1-3-95'})

1. Insert below documents using insertMany into “Faculty” collection.

db.Faculty.insertMany([

{ FID: 2, FNAME: 'SUNIL', BNAME: 'CE', SALARY: 50000, JDATE: '4-1-96' },

{ FID: 3, FNAME: 'MEHUL', BNAME: 'IT', SALARY: 35000, JDATE: '17-11-95' },

{ FID: 4, FNAME: 'MADHURI', BNAME: 'IT', SALARY: 12000, JDATE: '17-12-95' },

{ FID: 5, FNAME: 'PRMOD', BNAME: 'CE', SALARY: 30000, JDATE: '27-3-96' },

{ FID: 6, FNAME: 'SANDIP', BNAME: 'CE', SALARY: 20000, JDATE: '31-3-96' },

{ FID: 7, FNAME: 'SHIVANI', BNAME: 'CE', SALARY: 10000, JDATE: '5-9-95' },

{ FID: 8, FNAME: 'KRANTI', BNAME: 'IT', SALARY: 50000, JDATE: '2-7-95' }

])

1. Display all the documents of “Faculty” collection.

db.Faculty.find()

1. Drop the “Faculty” collection.

db.Faculty.drop()

1. Drop the “Computer” database.

db.dropDatabase()

Part – C (Perform following operation using UI)

1. Create a new database named “Computer”.

use Computer

1. Create a collection named “Faculty” in the “Computer” database. 3. Insert a below documents into “Faculty” collection.

db.Faculty.insertMany([

{ FID: 1, FNAME: 'ANIL', BNAME: 'CE', SALARY: 10000, JDATE: '1-3-95'},

{ FID: 2, FNAME: 'SUNIL', BNAME: 'CE', SALARY: 50000, JDATE: '4-1-96' },

{ FID: 3, FNAME: 'MEHUL', BNAME: 'IT', SALARY: 35000, JDATE: '17-11-95' },

{ FID: 4, FNAME: 'MADHURI', BNAME: 'IT', SALARY: 12000, JDATE: '17-12-95' },

{ FID: 5, FNAME: 'PRMOD', BNAME: 'CE', SALARY: 30000, JDATE: '27-3-96' },

{ FID: 6, FNAME: 'SANDIP', BNAME: 'CE', SALARY: 20000, JDATE: '31-3-96' },

{ FID: 7, FNAME: 'SHIVANI', BNAME: 'CE', SALARY: 10000, JDATE: '5-9-95' },

{ FID: 8, FNAME: 'KRANTI', BNAME: 'IT', SALARY: 50000, JDATE: '2-7-95' }

])

1. Display all the documents of “Faculty” collection.

db.Faculty.find()

1. Drop the “Faculty” collection.

db.Faculty.drop()

1. Drop the “Computer” database.

db.dropDatabase()