Lab-1   BDA   Varshitha T L
1BM17CS103

1) College database

```
Use/myDB;
db;

Use bms;
db;
show dbs;
```

<u>Creating collection</u>

```
bms. createCollection ("Student");
bms. create Collection ("Faculty");
bms. createCollection (" coe");
bms. create Collection (" Library");
bms. create Collection (" Admission");
bms. create Collection (" College Festival");
```

<u>Inserting values inside collection</u>

```
db.Student.insert ({_id:1, sem:4, cgpa:9,
          s-name:"Kavya", email:"kav@gmail.com",
          Section:"c", });
db. Student. insert ({_id:2, sem:5, cgpa:6,
          s-name:"Bhavya", email:"abc@gmail.com",
          Section:"c"});
db. Student. insert ({_id:3, sem:6, cgpa:8.5,
          s-name:"Bharathi, email:"xyz@com",
          Section:"B"});
db.Student. insert ({_id:4, sem:7, cgpa:9.0,
          s-name:"Kavana", email:"aaa.com",
          Section:"c"});
```

Faculty

```
db. Faculty. insert ( {fid:1, from Fname: "bavya",
                    Dept:"csc", email: abc@gmail.com
                    sem:3, sub course:"English"});


db. Faculty. insert ( {fid:2,
                    Fname: "Bhavya",
                    Dept : "ECE",
                    email: "B@gmail.com",
                    sem:4,
                    course: "chemistry"});
db. Faculty. insert ( {fid:3, fname: "kiran",
                    Dept: "chemistry", email:"k@gmail"
                    sem:4, course:"Maths"});
db. Faculty. insert ( {fid:4, fname: "Jairam",
                    Dept: "CSE", email: j@gmail.com,
                    sem:5, course: "Java"});
```

COE

```
db. COE. insert ( {cid:1, Name:"komal", Dept: "CSE",
                email:"k@gmail.com", phone:"9123667"
                });
db. COE. insert ( {cid:2, Name:"Maulik",
                Dept:"ECE", email:"g@gmail.com",
                phone:"913456789"});
db. COE. insert ( {cid:3, Name:"kuldeep",
                Dept: "EEE", email:"k@gmail.com",
                phone:"9134667910"});
db. COE. insert ( {cid:4, Name:"Yadav",
                Dept:"BT", email:"y@gmail.com",
                phone:"9100123410"});
```

Library

```
db.library.insert({_lid:1, bookname:"BBMS",
                author:abc, domain:"steiled",
                copies:3});
db.library.insert({_lid:2, bookname:"OS",
                author:"abc", domain:"OS",
                copies:30});
db.library.insert({_lid:3 bookname:"OS",
                author:"dp", domain:"OS",
                copies:30});
db.library.insert({_lid:4, bookname:"COA",
                author:"Smith", domain:"cs",
                copies:40});
```

Admission

```
db.Admission.insert({_Aid:1, Aname:"pooja",
                type:"ict", percent:90,
                dob:20/2/1999, age:20});
db.Admission.insert({_Aid:2, Aname:"Divya",
                type:"kawdk", percent:"93",
                dob:20/1/1999, age:26});
db.Admission.insert({_Aid:3, Aname:"karye",
                type:"ect", percent:"64",
                dob:20/3/1999, age:21});
db.Admission.insert({_Aid:4, Aname:"Abh",
                type:"ict", percent:"65",
                dob:20/3/2000, age:20});
```

```
db.collegeFestival.insert({Event:"dressshift",
                           venue:"college",
                           date:"2/6/2020",
                           host:"Madhu",
                           guest:"Abhay"});

db.collegeFestival.insert({Event:"Ethnicday",
                           venue:"college",
                           date:"2/3/2020",
                           host:"kavya",
                           guest:"Arash"})

db.collegeFestival.insert({Event:"Exhibition",
                           venue:"Sportscomplex",
                           date:"10/2/2020",
                           host:"Divya",
                           guest:"Abhay"});
```

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```
db. College Festival. insert ({Event: "sports",
                               venue: "sports complex",
                               date: 12/2/2020,
                               host: "kavya",
                               guest: "Divya"} )}
```

Finding

```
db. Student. find ({s_name: "kavya"});

db. Faculty. find ({F_name: "kav"});

db. COE. find ({C_Name: "Bhaskar"})}

db. Administration. find ({A_name: "Manu"}).

db. College Festival. find ({Event: "phase shift"});
```

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