

Name: Priyanka.S
USN: IBM18CS414
Date: 24/09/2020

BDA Lab - 01

①

1. Create College Database

→ use College.

2. Collections

1. Student

```
db.createCollection("Student");
```

2. Faculty

```
db.createCollection("Faculty");
```

3. COE

```
db.createCollection("COE");
```

4. Library

```
db.createCollection("Library");
```

5. Admission

```
db.createCollection("Admission");
```

6. College Festival

```
db.createCollection("College Festival");
```

3. Insertion

i) Student

```
db.Student.insert({_id: "1", name: "Priyanka", class: "7",  
sec: "B", cgpa: "8.8", USN: "IBM18CS414"});
```

```
db.Student.insert({_id: "2", name: "Shwetha", class: "7",  
sec: "A", cgpa: "9", USN: "IBM18CS401"});
```

Priyanka.S

Name: Priyanka.S
USN: 1BM18CS414
Date: 24/09/2020

②

ii) Faculty:

```
db.Faculty.insert({_id: "1", Fname: "Pallavi", Age: "30",  
dept: "CSE", Salary: "80K", Sex: "Female"});
```

```
db.Faculty.insert({_id: "2", Fname: "Ramesh", Age: "40",  
dept: "ISE", Salary: "90K", Sex: "Male"});
```

iii) COE:

```
db.Coe.insert({_id: "1", Type: "Endexam", college: "BMS",  
Specification: "BE", Date: "25-12-2020",  
Subject: "BDA"});
```

```
db.Coe.insert({_id: "2", Type: "mid-term", college: "RV",  
Specification: "BE", Date: "12-01-2021",  
Subject: "DSR"});
```

iv) Library: ({_id: "1", Lname: "BMSLE Library", Bookno: "10",
Bookname: "BDA", Authorname: "Martin", Price: "500"

```
db.Library.insert({_id: "2", Lname: "BMSET Library", Bookno:  
Bookname: "DSA", Authorname: "Rajesh", Price: "800"});
```

v) Admission:

```
db.Admission.insert({_id: "1", Admission-date: "05-06-2020",  
Fees: "80K", Year: "3rd", name: "Priyanka", Mode: "Online"});
```

```
db.Admission.insert({_id: "2", Admission-date: "10-07-2020",  
Fees: "74K", Year: "2nd", name: "Ramya", Mode: "Cheque"});
```

Priyanka.S

Name: Priyanka.S
 USN: IBM18CSH14
 Date: 24/09/2020

vi) College - Festival

```
db.College Festival.insert({_id: "1", eventname: "UTSav",
  date: "02-12-2020", Guest: "Raj", Event: "Dance",
  Time: "7 PM"});
```

```
db.College Festival.insert({_id: "2", eventname: "Protocol Day",
  date: "08-10-2020", Guest: "Raj", Event: "Hackathon",
  Time: "10 AM"});
```

view the collection.

- i) db.Student.find().pretty()
- ii) db.Stu Faculty.find().pretty()
- iii) db.COE.find().pretty()
- iv) db.Library.find().pretty()
- v) db.Admission.find().pretty()
- vi) db.College Festival.find().pretty()

Priyanka.S