

22/9/2020

BDA LAB-1

KUSUMA NERULA

1BM17CS043

Q. Create the following collections and insert atleast 4 documents into each collection.

- i) Student ii) Faculty iii) COE iv) library
v) Admission vi) College Festival.

A) Creating database :-

> use myDB

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Listing all databases:-

> show dbs;

i) Creating collection Students :-

> db.createCollection ("Student");

Inserting data into Student :-

> db.Student.insert ({ -id: 1, Name: "ABC",
Department: "CSE", Sem: "VII", USN: "1BM17CS043",
Year: "IV", Batch: "2020-21" });

(i) Faculty

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

```
> db.Faculty.insert({id: 1, Name: "ABC", Subject: "BDA", Department: "CSE", FacultyID: "001", Designation: "Professor"});
```

(ii) COE

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

```
> db.COE.insert({id: 1, StudName: "ABC", Subject: "BDA", CIE: 45, SEE: 90, Grade: "S", Result: "Pass"});
```

(iv) Library

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

```
> db.Library.insert({id: 1, Name: "ABC", BookID: 123, Bookname: "XYZ", BookIssueDate: "22/9/2020", ReturnDate: "7/10/2020"});
```

(v) Admission

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

```
db.Admission.insert({id: 1, AdmissionNo: 1, StudName:
  'ABC', DateOfAdmission: "22/9/2020", Dept: "CSE"});
```

vi) College Festival

```
> db.createCollection("College Fest");
```

```
> db.collegeFest.insert({id: 1, EventName: "ABC",
  Participants: 20, Duration: "2 hrs", Time: "10 am",
  Date: "23/9/2020", Budget: 2000});
```