BDA Lab - 1

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

Listing all databases :-

> show dbs;

i] Creating collection "Student" :-

> db.createCollection("Student");

Inserting data into Student :-

> db. Student. insert ({ _id:1, Name:"ABC", Department: "CSE", Sem: "VII", USN: "IBM17CS047", Year: "IV", Batch: "2020-21" });

ii] Faculty

> db.createCollection ("Faculty");

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

iii] COE

> db.createCollection ("COE");

> db. COE. insert ({ _id:1, StudName: "ABC", Subject : "BDA", CIE :"40", SEE : "80", Grade: "A", Result : "Pass" });

iv) Library

```
>db.createCollection("Library");
>db.Library.insert({_id:1, Name:"PQR", BookName:"XYZ",
 BookID:"1234", IssueDate:"22/9/2020", ReturnDate:"7/10/2020"});
```

v) Admission

```
>db.createCollection("Admission");
>db.Admission.insert({_id:1, AdmissionNo:1, StudName:"XYZ",
 DateOfAdmission:"22/9/2020", Department:"CSE", FeesPaid:50,000});
```

vi) College Festival

```
>db.createCollection("CollegeFestival");
>db.CollegeFestival.insert({_id:1, EventName:"ABC",
 Duration:"2hrs", StartTime:"10am", Date:"30/9/2020",
 Budget:2000});
```