

# BDA Lab 1 Outputs

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## 1. Creating Database Collections:

```
db.createCollection("Student");
db.createCollection("Faculty");
db.createCollection("COE");
db.createCollection("Library");
db.createCollection("Admission");
db.createCollection("Festival");
```

db.createC.. ✕	db.createC.. ✕	db.createC.. ✕	db.createC.. ✕	db.createC.. ✕	db.createC.. ✕
0.179 sec.					
Key	Value	Type			
▼ (1)	{ 1 field }	Object			
ok	1.0	Double			

## 2. Inserting records into Collections:

### Student:

```
db.Student.insert({_id:1, StudName:"Ram", USN:"1BM17CS100", email:"ram@gmail.com", sem:7, CGPA:9.1})
db.Student.insert({_id:2, StudName:"Karun", USN:"1BM17CS101", email:"karun@gmail.com", sem:7, CGPA:7.4})
db.Student.insert({_id:3, StudName:"Fahad", USN:"1BM17CS102", email:"fahad@gmail.com", sem:5, CGPA:8.2})
db.Student.insert({_id:4, StudName:"Tarun", USN:"1BM17CS103", email:"tarun@gmail.com", sem:6, CGPA:9.3})
```

db.Student.. ✕	db.Student.. ✕	db.Student.. ✕	db.Student.. ✕
0.014 sec.			
Inserted 1 record(s) in 11ms			

## Faculty:

```
db.Faculty.insert({_fid:1, Fname:"Reshma", Dept:"Mechanical", email:"reshma@gmail.com", sem:5, subject:"Engines"})
db.Faculty.insert({_fid:2, Fname:"Pallavi", Dept:"CSE", email:"pallavi@gmail.com", sem:7, subject:"BDA"})
db.Faculty.insert({_fid:3, Fname:"Ramya", Dept:"Math", email:"ramya@gmail.com", sem:3, subject:"Number Theory"})
db.Faculty.insert({_fid:4, Fname:"Vishnu", Dept:"Bio", email:"vishnu@gmail.com", sem:4, subject:"Organisms"})
```

db.Faculty.. x db.Faculty.. x db.Faculty.. x db.Faculty.. x

🕒 0.007 sec.

Inserted 1 record(s) in 6ms

## COE:

```
db.COE.insert({_eid:1, Name:"Rahul", Dept:"SEE", email:"rahul@gmail.com", phno:"2574637466", altno:"5868675489"})
db.COE.insert({_eid:2, Name:"Abhishek", Dept:"SEE", email:"@abhishekgmail.com", phno:"334654787", altno:"8734996708"})
db.COE.insert({_eid:3, Name:"Shubham", Dept:"CIE", email:"shubham@gmail.com", phno:"9988675543", altno:"9986645776"})
db.COE.insert({_eid:4, Name:"Dev", Dept:"CIE", email:"dev@gmail.com", phno:"8856435679", altno:"5765456586"})
```

db.COE.ins.. x db.COE.ins.. x db.COE.ins.. x db.COE.ins.. x

🕒 0.006 sec.

Inserted 1 record(s) in 5ms

## Library:

```
db.Library.insert({_bid:1, Bname:"Physics", Bnum:"23", Author:"Hawking", Genre:"Science", stock:"5"})
db.Library.insert({_bid:2, Bname:"Chemistry", Bnum:"14", Author:"NCERT", Genre:"Science", stock:"10"})
db.Library.insert({_bid:3, Bname:"C++", Bnum:"03", Author:"Peterson", Genre:"CSE", stock:"4"})
db.Library.insert({_bid:4, Bname:"Math", Bnum:"10", Author:"RD Sharma", Genre:"Mathematics", stock:"7"})
```

db.Library.. x db.Library.. x db.Library.. x db.Library.. x

🕒 0.002 sec.

Inserted 1 record(s) in 2ms

## Admission:

```
db.Admission.insert({_Aid:1, Name:"Abhi", type:"CET", tenthPercent:"80", twelfth:"98", place:"Hydrabad"})
db.Admission.insert({_Aid:2, Name:"Shaam", type:"CET", tenthPercent:"96", twelfth:"85", place:"Delhi"})
db.Admission.insert({_Aid:3, Name:"Tanush", type:"COMEDK", tenthPercent:"85", twelfth:"80", place:"Karnataka"})
db.Admission.insert({_Aid:4, Name:"Sahil", type:"Management", tenthPercent:"86", twelfth:"89", place:"Kerala"})
```

db.Admissi.. x db.Admissi.. x db.Admissi.. x db.Admissi.. x

0.004 sec.

Inserted 1 record(s) in 4ms

## Festival:

```
db.Festival.insert({_Fid:1, Ename:"Quiz", type:"", Dept:"Math", coordinator:"Shamin", phno:"8000765756"})
db.Festival.insert({_Fid:2, Ename:"Reverse Coding", type:"", Dept:"CSE", coordinator:"Saumya", phno:"9988067547"})
db.Festival.insert({_Fid:3, Ename:"Hackathon", type:"", Dept:"CSE", coordinator:"Rahul", phno:"7769875609"})
db.Festival.insert({_Fid:4, Ename:"Treasure Hunt", type:"", Dept:"Math", coordinator:"Ganesh", phno:"6557894568"})
```

db.Festiva.. x db.Festiva.. x db.Festiva.. x db.Festiva.. x

0.006 sec.

Inserted 1 record(s) in 5ms

```
db.Student.find({StudName:"Ram"})
```

Student 0.005 sec.

Key	Value	Type
▼ (1) 1.0	{ 6 fields }	Object
_id	1.0	Double
StudName	Ram	String
USN	1BM17CS100	String
email	ram@gmail.com	String
sem	7.0	Double
CGPA	9.1	Double