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C-3

Lab 1

classmate

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- To create COLLEGE Database Collections:
1. Student [USN, Name, Dept, Sem, CGPA, Hobbies]
  2. Faculty [id, Name, Dept, Designation, Qualification, Salary]
  3. COE [id, First Name, Last Name, Email, Ph no., dept]
  4. Library [id, Book Name, ISBN, Author, genre, num copies]
  5. Admission [id, Name, Dept, 10<sup>th</sup>, 12<sup>th</sup>, place]
  6. College Festival [id, Event, Type, Coordinator, num Participants, Winner]

### Queries:

show db

use collegeDB

db.createCollection("Student");

db.createCollection("Faculty");

db.createCollection("Library");

db.createCollection("COE");

db.createCollection("Admission");

db.createCollection("College Festival");

show collections

db.Student.insert ({ ~~id~~id, Name:



"Atharv Sharma" USN: "IBM17CSB40",  
 Dept: "CSE", CGPA: 4.1, Sem: "I",  
~~Hobbies~~ Hobbies: "Singing" }

db.student.find({Name: "Atharv Sharma" })

db.Faculty.insert({-id: 1, Name: "Madhavi",  
 Dept: "CSE", Salary: 50000, Qualification:  
 : "M. Tech" })

db.faculty.find({})

db.COE.insert(<sup>Many</sup>{-id: 3, <sup>First</sup>Name: "Farid",  
 LastName: "S", email: "farids.coe@  
 lnmsee.ac.in", ph.no: "649724747", Dept:  
 "COE" },

{-id: 4, First Name: "Jaya", LastName:  
 "DL", email: "jayadl.coe@lnmsee.ac.in",  
 phno: "9431345446", Dept: "COE" })

db.COE.find()

db.Library.insert({id: 1, Book Name: "The  
 Alchemist", ISBN: "1584568742", Author:  
 "Paulo Coelho", genre: "Fiction", num  
 copies: 10 })

db.Library.find()

db.Admission.insert({-id:1, Name:  
"Suraksha", Dept:"ECE", Type:"CET",  
tenthpere: 12, twethpere: 15, place:  
"Karnataka" })

db.Admission.find()

db.CollegeFestival.insert({-id:1, Event  
~~"Reverse Coding"~~, "Reverse Coding", Club:"Proto  
-col", Type:"Event", Coordinator:"Shulchan  
numParticipants: 50, winner:"Dev, Malh  
})

db.CollegeFestival.find()