

5-10-20

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Subject: BDA-LAB

Batch: C3

Q1) Company Database

create Employee

db.createCollection("Employee")

create Department

db.createCollection("Department")

Inserting data in Employee & Department

db.Employee.insert({-id:1, Name:"Abc", Age:27,  
phone:"7996026111", Dept:<sup>1000</sup>~~100~~})

db.Department.~~insert~~update({-id:1, Name:"XYZ", NoOfEmp:  
~~db.Employee.update~~<sup>{Head:</sup>101}, {set:"Jatin"}}, {upsert:true})

db.Department.update({-id:2, Name:"IT",  
NoOfEmp:100, Head:"Abcd"})

db. Department. save ( { -id: 2, Name: "Mgmt",  
NoOfEmp: 200, Head: "Lmn" } )

db. Employee. insert ( { -id: 2, Name: ~~"Lmn"~~ "fam",  
Age: 28, phone: "9123111222",  
Dept: 1004 } )

\* update to add a field in Employee

db. Employee. update ( { -id: 3 }, { \$set: { Name: "Lmn",  
Age: 29, phone: "8899899888",  
Dept: 1006 } } )

\* Remove a field from employee

db. Employee. update ( { -id: 3 }, { \$unset: { age: 30 } } )



\* find all documents in both the collections.

db.Employee.find()

db.Department.find()

\* Select emp name & dept no. where dept number is between 1001 & 1005

db.Employee.find({ Dept: { \$gt: 1001, \$lt: 1005 } },  
{ Name: 1, Dept: 1 })

\* find all employees with age greater than 25

db.Employee.find({ age: { \$gt: 25 } })

\* find names of all employees with name starting with 'A'

db.Employee.find({ name: /^A/ })