P. Sai Deekshith
1BM18CS148
6th Sem 'B'

BDA LAB CIE-1

3) MongoDB

1)

(i). db.createCollection("faculty")

(ii) db.faculty.insert([

{
Faculty_id : 1,
Name : "Rani",
Designation : "BE",
Department : "CSE",
Age : 25,
Salary : 25000,
Specialization : "Machine Learning"
},
{ Faculty_id : 2,
Name : "Raj",
Designation : "BE",
Department : "ESE",
Age : 30,
Salary : 30000,
Specialization : "BIG DATA"
}])

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1) Contd

(iii) db.faculty.find().pretty()

(iv) db.faculty.remove({"age":{$gt:60}})

2) Cassandra

(i) Create keyspace Company with replication = {

'class' : 'SimpleStrategy',

'replication_factor' : 1

};

create table employee(

empid int,
empno int,
salary int,
Department text,
Designation text,
Marital_status text,
Hobbies ~~set~~ ~~<text>~~ set<text>,
Primary key(empid));

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(ii) begin batch
~~insert into~~
insert into faculty employee (empid, empno, Salary, Department, Designation, Marital_status, Hobbies) Values (1, 10, 85000, "SALES", "Manager", "not married", {"tennis", "cricket"})
) apply batch;

(iii) create index on employee(designation);
Select name, Department from employee where designation = 'manager' and Salary > 85000 order by salary DESC ALLOW FILTERING;
Create index on employee(salary);

(iv) alter table employee add previous-experience int;
update employee set previous-experience = 15 where id = 4;

(v) COPY employee(empid, empno, Salary, Department, Designation, Marital_status, Hobbies)
From '/home/Desktop/employee.csv';