Problem Statement: -4

Create following collections and Perform Mongodb CRUD Operations.

Teachers (Tname, dno, dname, experience, salary, date\_of\_joining )

Students(Sname, roll\_no, class)

// Create the "Teachers" collection and insert sample data

**db.createCollection("teachers");**

**db.teachers.insert([**

**{**

**Tname: john smith",**

**dno: 101,**

**dname: "computer",**

**experience: 5,**

**salary: 12000,**

**date\_of\_joining: Date()**

**},**

**{**

**Tname: "mary johnson",**

**dno: 102,**

**dname: "it",**

**experience: 7,**

**salary: 11000,**

**date\_of\_joining: Date()**

**},**

**{**

**Tname: "praveen kumar",**

**dno: 103,**

**dname: "e&tc",**

**experience: 3,**

**salary: 9500,**

**date\_of\_joining: Date()**

**}**

**]);**

**// Create the "Students" collection and insert sample data**

**db.createCollection("students");**

**db.students.insert([**

**{**

**Sname: "alice",**

**roll\_no: 1,**

**class: "A"**

**},**

**{**

**Sname: "bob",**

**roll\_no: 2,**

**class: "B"**

**},**

**{**

**Sname: "carol",**

**roll\_no: 3,**

**class: "A"**

**}**

**]);**

1. Find the information about all teachers alphabetically.

**db.Teachers.find().sort({tname:1});**

1. Find the information about all teachers of the computer department

Db.Teachers.find({dname:”computer”});

3. Find the information about all teachers of computer,IT,and e&TC department

4. Find the information about all teachers of computer,IT,and E&TC department having

salary greater than or equal to 10000/-

6. Find the student information having roll\_no = 2 or Sname=xyz

7. Update the experience of teacher-praveen to 10 years, if the entry is not available in

database consider the entry as new entry.

9. Update the department of all the teachers working in IT department to COMP

10. find the teacher's name and their experience from teachers’ collection

11. Delete all the documents from teacher's collection having IT dept.

12. display with pretty() method, the first 3 documents in teacher's collection in ascending

order.