

MONGODB CRUD – FACULTY

Jing Hua Ye, MTU

Create a database `ems` and make a collection with name `faculty`. Perform the following steps by taking a screenshot for each move you have made:

1. Insert the following records into `faculty` Collection

```
{ "name": "Krish", "age": 35, "gender": "M", "exp": 10, "subjects": ["DS", "C", "OS"],
  "type": "Full Time", "qualification": "M.Tech" },
{ "name": "Manoj", "age": 38, "gender": "M", "exp": 12, "subjects": ["JAVA", "DBMS"],
  "type": "Full Time", "qualification": "Ph.D" },
{ "name": "Anush", "age": 32, "gender": "F", "exp": 8, "subjects": ["C", "CPP"],
  "type": "Part Time", "qualification": "M.Tech" },
{ "name": "Suresh", "age": 40, "gender": "M", "exp": 9,
  "subjects": ["JAVA", "DBMS", "NETWORKING"], "type": "Full Time", "qualification": "Ph.D" },
{ "name": "Rajesh", "age": 35, "gender": "M", "exp": 7, "subjects": ["DS", "C", "OS"],
  "type": "Full Time", "qualification": "M.Tech" },
{ "name": "Mani", "age": 38, "gender": "F", "exp": 10,
  "subjects": ["JAVA", "DBMS", "OS"], "type": "Part Time", "qualification": "Ph.D" },
{ "name": "Sivani", "age": 32, "gender": "F", "exp": 8, "subjects": ["C", "CPP", "MATHS"],
  "type": "Part Time", "qualification": "M.Tech" },
{ "name": "Nagesh", "age": 39, "gender": "M", "exp": 11,
  "subjects": ["JAVA", "DBMS", "NETWORKING"], "type": "Full Time", "qualification": "Ph.D" },
{ "name": "Nagesh", "age": 35, "gender": "M", "exp": 9,
  "subjects": ["JAVA", ".Net", "NETWORKING"], "type": "Full Time", "qualification": "Ph.D" },
{ "name": "Latha", "age": 40, "gender": "F", "exp": 13, "subjects": ["MATHS"],
  "type": "Full Time", "qualification": "Ph.D" }
```

2. Add the following new faculty members:

```
{ "name": "Suresh Babu", "age": 55, "gender": "M", "exp": 25, "subjects": ["MATHS", "DE"],
  "type": "Full Time", "qualification": "Ph.D" }
```

3. Get the count of all faculty members
4. Update the data of all faculty members by incrementing their age and exp by one year
5. Update the faculty “Sivani” with the following data: update qualification to “Ph.D” and type to “Full Time”

6. Update all faculty members who are teaching “MATHS” such that they should now also teach “PSK”
7. Delete all faculty members whose age is more than 55 years.

Submission

Single Document – PDF – which includes

- a screen shot of your setup for the database
- a screen shot of each query and its output, with appropriate titles