22. Create Database DYPIT using MongoDB Create following Collections Teachers(Tname,dno,dname,experience,salary,date\_of\_joining ) Students(Sname,roll\_no,class)

1. Display the department wise average salary

db.Teachers.aggregate([{$group : {\_id : "$dname", salary\_avarage : {$avg : "$salary"}}}])

2. display the no. Of employees working in each department

db.Teachers.aggregate( [ { $unwind: "$dname" }, { $sortByCount: "$dname" } ] )

3. Display the department wise total salary of departments having total salary greater than or equals to 50000/-

4. Write the queries using the different operators like max, min. Etc.

Refer above quetion

5. Create unique index on any field for above given collections

db.Teachers.createIndex({Tname:1}, {unique:true})

6. Create compound index on any fields for above given collections

7. Show all the indexes created in the database DYPIT

db.Teachers.getIndexes()

8. Show all the indexes created in above collections.

db.Teachers.getIndexes()