ASSIGNMENT 9:

1.Create Database PCCOE

2. Create following Collections

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

Students(Sname,roll\_no,class)

3. Find the information about all teachers

4. Find the information about all teachers of computer department

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

6. Find the information about all teachers of computer,IT,and E&TC department having salary greate than or equl to 10000/-

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

8. Update the experience of teacherpraveen to 10years, if the entry is not available in database

consider the entry as new entry.

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

10. find the teachers name and their experience from teachers collection

11. Using Save() method insert one entry in department collection

12. Using Save() method change the dept of teacher praveen to IT

13. Delete all the doccuments from teachers collection having IT dept.

14. display with pretty() method, the first 3 doccuments in teachers collection in ascending order

> db pccoe

> pccoe.Teachers

20180905T10:12:40.210+0530 ReferenceError: pccoe is not defined

> db.Teachers

pccoe.Teachers

>

> db.Students

pccoe.Students

>

db.Teachers.insert({'Tname':'RPS','dno':101,'dname':'COMP','exp':5,'salary':100000,'date':'26072007'})

WriteResult({ "nInserted" : 1 })

>

db.Teachers.insert({'Tname':'AVD','dno':201,'dname':'COMP','exp':8,'salary':80000,'date':'5082004'})

WriteResult({ "nInserted" : 1 })

>

db.Teachers.insert({'Tname':'SVP','dno':110,'dname':'IT','exp':10,'salary':80000,'date':'1022009'})

WriteResult({ "nInserted" : 1 })

> db.Students.insert({'Sname':'anand','roll':166,'class':'TEA'})

WriteResult({ "nInserted" : 1 })

> db.Students.insert({'Sname':'kunal','roll':150,'class':'TEA'})

WriteResult({ "nInserted" : 1 })

> db.Students.insert({'Sname':'drax','roll':235,'class':'TEB'})

WriteResult({ "nInserted" : 1 })

> db.Teachers.find({})

{ "\_id" : ObjectId("5b8f5fcfe7009067648505fd"), "Tname" : "RPS", "dno" :101, "dname" : "COMP", "exp" : 5, "salary" : 100000, "date" : "26072007" }

{ "\_id" : ObjectId("5b8f6000e7009067648505fe"), "Tname" : "AVD", "dno" :201, "dname" : "COMP", "exp" : 8, "salary" : 80000, "date" : "5082004"}

{ "\_id" : ObjectId("5b8f6037e7009067648505ff"), "Tname" : "SVP", "dno" :110, "dname" : "IT", "exp" : 10, "salary" : 80000, "date" : "1022009" }

> db.Teachers.find({dname:'COMP'})

{ "\_id" : ObjectId("5b8f5fcfe7009067648505fd"), "Tname" : "RPS", "dno" :101, "dname" : "COMP", "exp" : 5, "salary" : 100000, "date" : "26072007" }

{ "\_id" : ObjectId("5b8f6000e7009067648505fe"), "Tname" : "AVD", "dno" :201, "dname": "COMP", "exp" : 8, "salary" : 80000, "date" : "5082004"}

> db.Teachers.find({dname:'COMP',dept:'IT'})

> db.Teachers.find({dname:'COMP':dept:'IT'})

20180905T10:22:24.898+0530 SyntaxError: Unexpected token :

> db.Teachers.find({dname:[$in:'COMP','IT']})

20180905T10:23:32.162+0530 SyntaxError: Unexpected token :

> db.Teachers.find({dname:{$in:['COMP','IT']}})

{ "\_id" : ObjectId("5b8f5fcfe7009067648505fd"), "Tname" : "RPS", "dno" :101, "dname" : "COMP", "exp" : 5, "salary" : 100000, "date" : "26072007" }

{ "\_id" : ObjectId("5b8f6000e7009067648505fe"), "Tname" : "AVD", "dno" :201, "dname" : "COMP", "exp" : 8, "salary" : 80000, "date" : "5082004"}

{ "\_id" : ObjectId("5b8f6037e7009067648505ff"), "Tname" : "SVP", "dno" :110, "dname" : "IT", "exp" : 10, "salary" : 80000, "date" : "1022009" }

> db.Teachers.find({dname:{$in:['COMP','IT']},salary:{$lt:100000}})

{ "\_id" :ObjectId("5b8f6000e7009067648505fe"), "Tname" : "AVD", "dno" :201, "dname" : "COMP", "exp" : 8, "salary" : 80000, "date" : "5082004"}

{ "\_id" : ObjectId("5b8f6037e7009067648505ff"), "Tname" : "SVP", "dno" :110, "dname" : "IT", "exp" : 10, "salary" : 80000, "date" : "1022009" }

> db.Teachers.find({dname:{$in:['COMP','IT']},salary:{$gte:100000}})

{ "\_id" : ObjectId("5b8f5fcfe7009067648505fd"), "Tname" : "RPS", "dno" :101, "dname" : "COMP", "exp" : 5, "salary" : 100000, "date" : "26072007" }

> db.Students.find({$or:[roll:166,Sname:'drax']})

20180905T10:32:10.762+0530 SyntaxError: Unexpected token :

> db.Students.find({$or:[{roll:166},{Sname:'drax'}]})

{ "\_id" : ObjectId("5b8f606be700906764850600"), "Sname" : "anand", "roll": 166, "class" : "TEA" }

{ "\_id" : ObjectId("5b8f608de700906764850602"), "Sname" : "drax", "roll": 235, "class" : "TEB" }

> db.Teachers.find({})

{ "\_id" : ObjectId("5b8f5fcfe7009067648505fd"), "Tname" : "RPS", "dno" :101, "dname" : "COMP", "exp" : 5, "salary" : 100000, "date" : "26072007" }

{ "\_id" : ObjectId("5b8f6000e7009067648505fe"), "Tname" : "AVD", "dno" :201, "dname" : "COMP", "exp" : 8, "salary" : 80000, "date" : "5082004"}

{ "\_id" : ObjectId("5b8f6037e7009067648505ff"), "Tname" : "SVP", "dno" :110, "dname" : "IT", "exp" : 10, "salary" : 80000, "date" : "1022009" }

> db.Teachers.update({Tname:'PRAVEEN'},{$set:{exp:10}})

WriteResult({ "nMatched" : 0, "nUpserted" : 0, "nModified" : 0 })

> db.Teachers.find({})

{ "\_id" : ObjectId("5b8f5fcfe7009067648505fd"), "Tname" : "RPS", "dno" :101, "dname" :"COMP", "exp" : 5, "salary" : 100000, "date" : "26072007" }

{ "\_id" : ObjectId("5b8f6000e7009067648505fe"), "Tname" : "AVD", "dno" :201, "dname" : "COMP", "exp" : 8, "salary" : 80000, "date" : "5082004"}

{ "\_id" : ObjectId("5b8f6037e7009067648505ff"), "Tname" : "SVP", "dno" :

110, "dname" : "IT", "exp" : 10, "salary" : 80000, "date" : "1022009" }

> db.Teachers.update({Tname:"PRAVEEN"},{$set:{exp:10},{upsert : true}})

20180905T10:38:54.170+0530 SyntaxError: Unexpected token {

> db.Teachers.update({Tname:"PRAVEEN"},{$set:{exp:10}},{upsert:true})

WriteResult({"nMatched" : 0,"nUpserted" : 1,"nModified":0,"\_id"ObjectId("5b8f6503d0f3efaf7b067864")})

> db.Teachers.update({dname:"IT"},{$set:{dname:'COMP'}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.Teachers.find({})

{ "\_id" : ObjectId("5b8f5fcfe7009067648505fd"), "Tname" : "RPS", "dno" :101, "dname" : "COMP", "exp" : 5, "salary" : 100000, "date" : "26072007" }

{ "\_id" : ObjectId("5b8f6000e7009067648505fe"), "Tname" : "AVD", "dno" :201, "dname" : "COMP", "exp" : 8, "salary" : 80000, "date" : "5082004"}

{ "\_id" : ObjectId("5b8f6037e7009067648505ff"), "Tname" : "SVP", "dno" :110, "dname" : "COMP", "exp" : 10, "salary" : 80000, "date" : "1022009"}

{ "\_id" : ObjectId("5b8f6503d0f3efaf7b067864"), "Tname" : "PRAVEEN","exp" : 10 }