***Assignment:11***

[root@localhost ~]# systemctl start mongod

[root@localhost ~]# mongo

MongoDB shell version: 2.4.6

connecting to: test

> show dbs

agg 0.203125GB

local 0.078125GB

> use agg

switched to db agg

> db.t1.insert({'ID':1,'Salary':1000})

> db.t1.insert({'ID':2,'Salary':2000})

> db.t1.insert({'ID':1,'Salary':1500})

> db.t1.insert({'ID':3,'Salary':1500})

> db.t1.insert({'ID':2,'Salary':1500})

> db.t1.find()

{ "\_id" : ObjectId("50e1e7f41e2e4985b8307ab5"), "ID" : 1, "Salary" : 1000 }

{ "\_id" : ObjectId("50e1e8c7128249fa7d163804"), "ID" : 1, "Salary" : 1000 }

{ "\_id" : ObjectId("50e1e8de128249fa7d163805"), "ID" : 2, "Salary" : 2000 }

{ "\_id" : ObjectId("50e1ea84128249fa7d163806"), "ID" : 3, "Salary" : 3000 }

{ "\_id" : ObjectId("50e1eac8128249fa7d163807"), "ID" : 3, "Salary" : 3000 }

{ "\_id" : ObjectId("50e1eb3025ad8130f20a0929"), "ID" : 1, "Salary" : 1000 }

{ "\_id" : ObjectId("50e1eb3825ad8130f20a092a"), "ID" : 2, "Salary" : 2000 }

{ "\_id" : ObjectId("50e1eb4525ad8130f20a092b"), "ID" : 1, "Salary" : 1500 }

{ "\_id" : ObjectId("50e1eb4d25ad8130f20a092c"), "ID" : 3, "Salary" : 1500 }

{ "\_id" : ObjectId("50e1eb5425ad8130f20a092d"), "ID" : 2, "Salary" : 1500 }

> db.t1.aggregate([{$group:{\_id:"$ID",num\_tutorial:{$sum:"$Salary"}}}])

{

"result" : [

{

"\_id" : 3,

"num\_tutorial" : 7500

},

{

"\_id" : 2,

"num\_tutorial" : 5500

},

{

"\_id" : 1,

"num\_tutorial" : 4500

}

],

"ok" : 1

}

> db.t1.aggregate([{$group:{\_id:"$ID",num\_tutorial:{$avg:"$Salary"}}}])

{

"result" : [

{

"\_id" : 3,

"num\_tutorial" : 2500

},

{

"\_id" : 2,

"num\_tutorial" : 1833.3333333333333

},

{

"\_id" : 1,

"num\_tutorial" : 1125

}

],

"ok" : 1

}

> db.t1.aggregate([{$group:{\_id:"$ID",num\_tutorial:{$min:"$Salary"}}}])

{

"result" : [

{

"\_id" : 3,

"num\_tutorial" : 1500

},

{

"\_id" : 2,

"num\_tutorial" : 1500

},

{

"\_id" : 1,

"num\_tutorial" : 1000

}

],

"ok" : 1

}

> db.t1.aggregate([{$group:{\_id:"$ID",num\_tutorial:{$max:"$Salary"}}}])

{

"result" : [

{

"\_id" : 3,

"num\_tutorial" : 3000

},

{

"\_id" : 2,

"num\_tutorial" : 2000

},

{

"\_id" : 1,

"num\_tutorial" : 1500

}

],

"ok" : 1

}