🡪 use Zendb

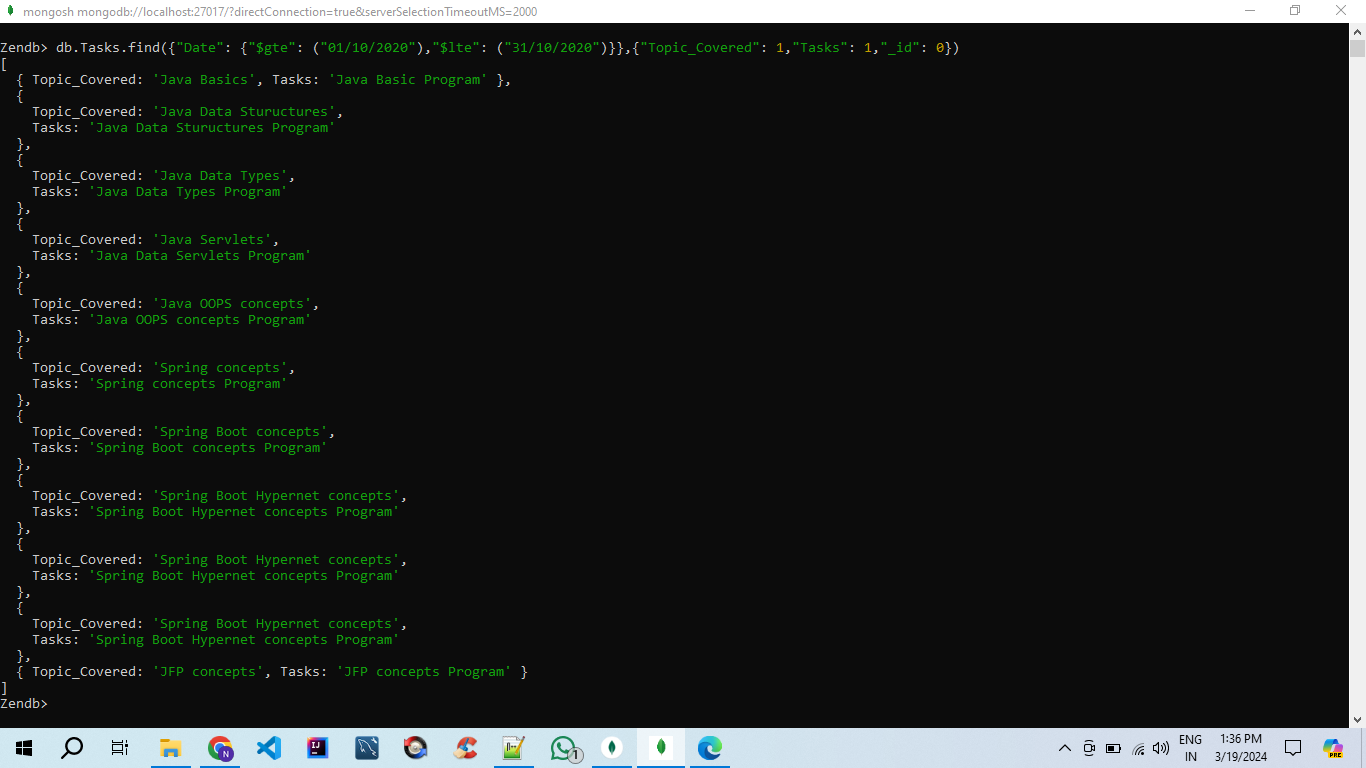
🡪 db.createCollection("ZenPortal")

🡪 db.createCollection("Users")

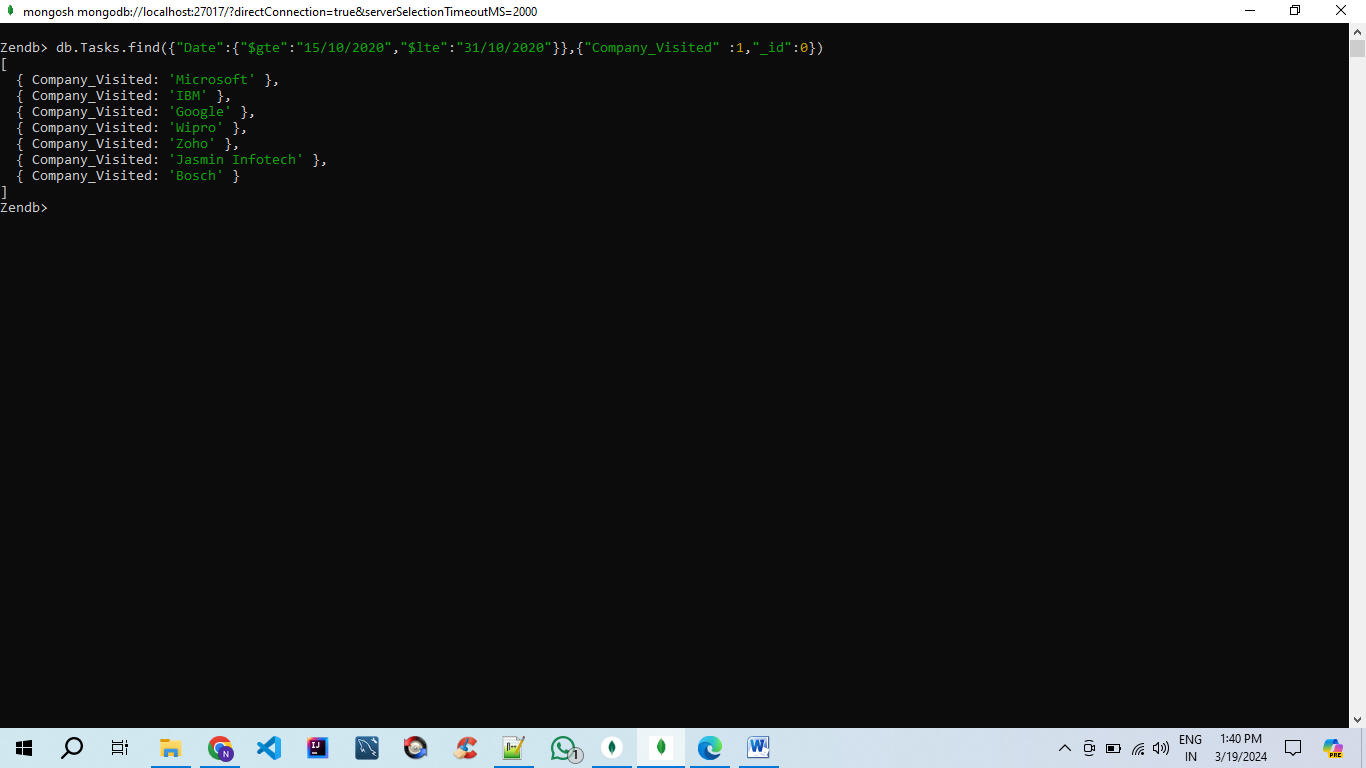
🡪 db.createCollection("Tasks")

🡪 db.Users.insertMany([{ Stud\_id: 1, Stud\_name:"John", Mentor:"Stalin"}, {Stud\_id: 2, Stud\_name:"Joe", Mentor:"Stephen"},{Stud\_id: 3, Stud\_name:"Josh", Mentor:"Stalin"},{Stud\_id: 4, Stud\_name:"Adhi", Mentor:"Stalin"},{Stud\_id: 5, Stud\_name:"Anbu", Mentor:"Stalin"},{Stud\_id: 6, Stud\_name:"Anand", Mentor:"Stalin"},{Stud\_id: 7, Stud\_name:"Bala", Mentor:"Stalin"},{Stud\_id: 8, Stud\_name:"Cathrine", Mentor:"Stalin"},{Stud\_id: 9, Stud\_name:"Deepa", Mentor:"Stalin"}, {Stud\_id: 10, Stud\_name:"Ezhil", Mentor:"Stalin"},{Stud\_id: 11, Stud\_name:"Fahad", Mentor:"Stalin"},{Stud\_id: 12, Stud\_name:"Henry", Mentor:"Stalin"},{Stud\_id: 13, Stud\_name:"Ishwarya", Mentor:"Stalin"},{Stud\_id: 14, Stud\_name:"Kalyan", Mentor:"Stalin"},{Stud\_id: 15, Stud\_name:"Lal", Mentor:"Stalin"},{Stud\_id: 16, Stud\_name:"Mahi", Mentor:"Stalin"},{Stud\_id: 17, Stud\_name:"Noorjagan", Mentor:"Stalin"}])

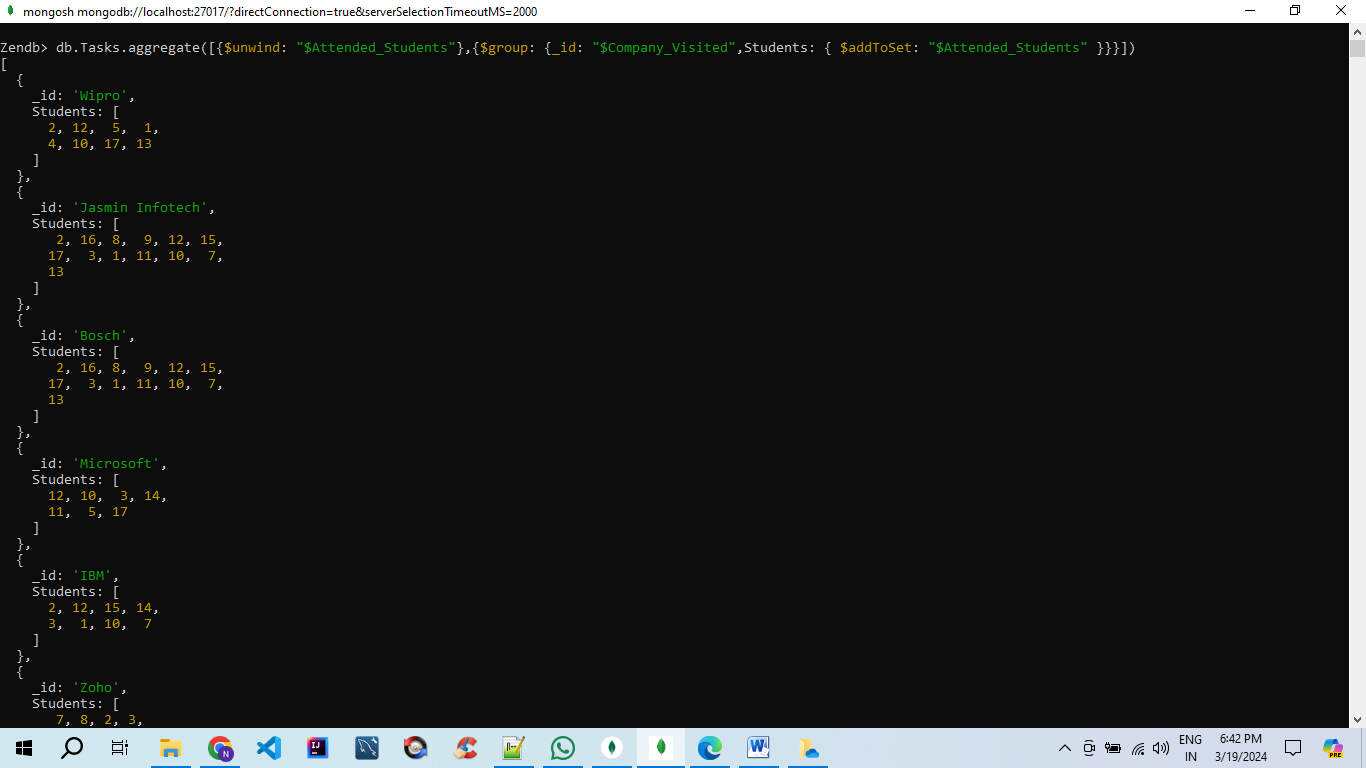
1.db.Tasks.find({"Date": {"$gte": ("01/10/2020"),"$lte": ("31/10/2020")}},{"Topic\_Covered": 1,"Tasks": 1,"\_id": 0})

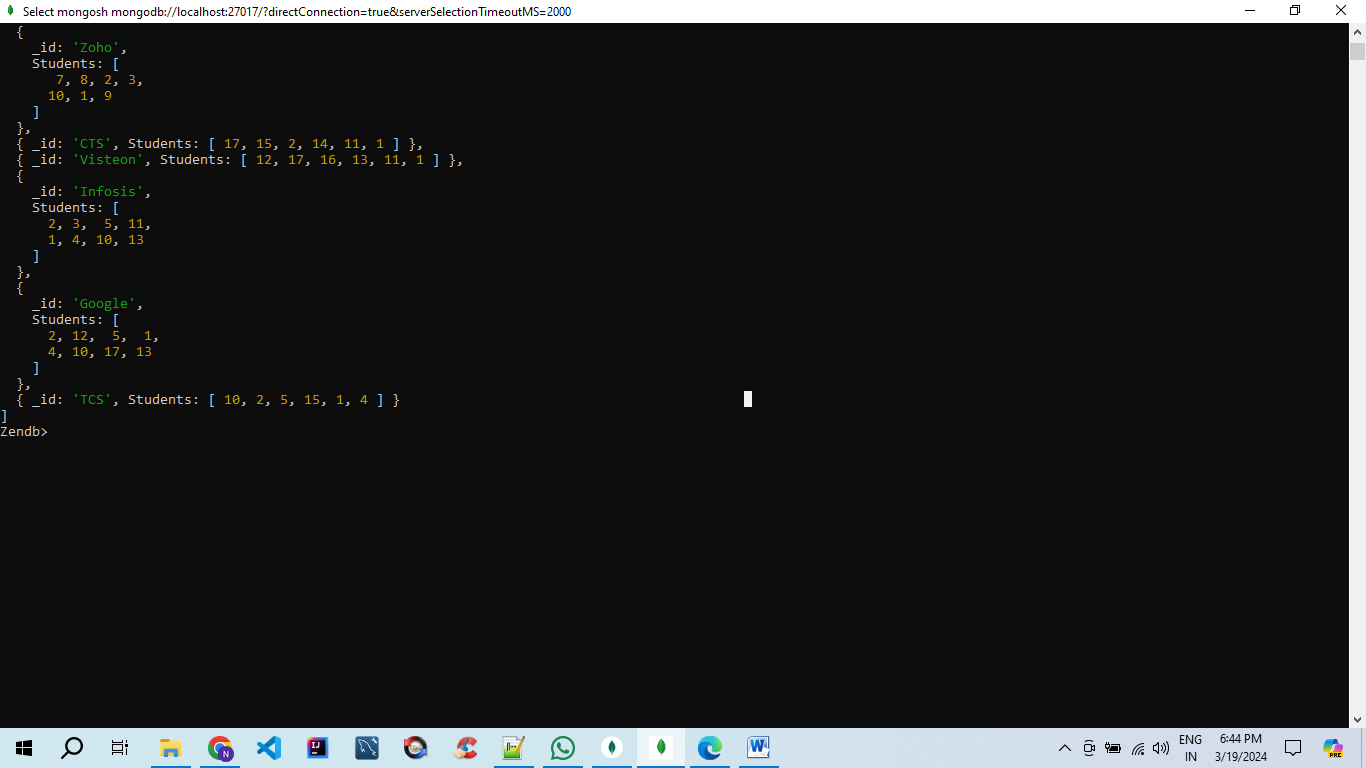


2.db.Tasks.find({"Date":{"$gte":"15/10/2020","$lte":"31/10/2020"}},{"Company\_Visited" :1,"\_id":0})

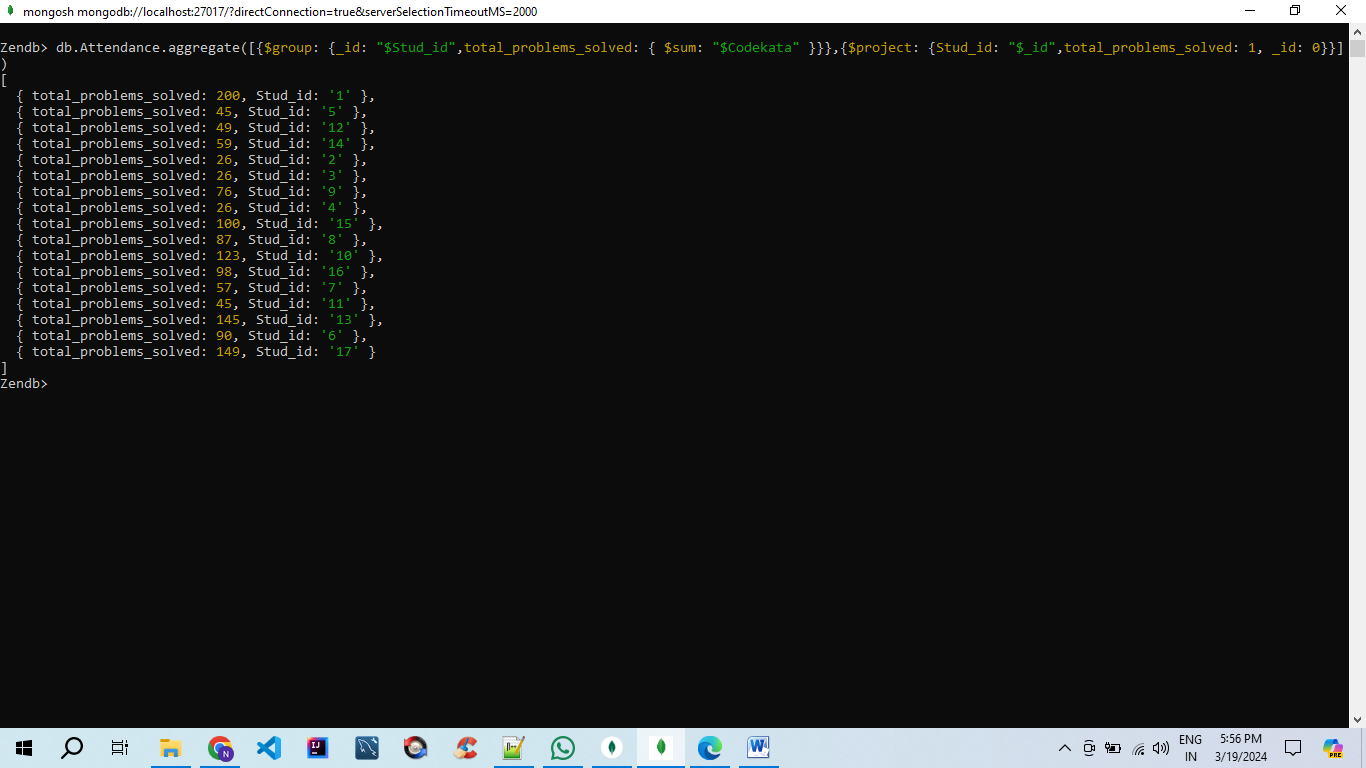


3. db.Tasks.aggregate([{$unwind: "$Attended\_Students"},{$group: {\_id: "$Company\_Visited",Students: { $addToSet: "$Attended\_Students" }}}])

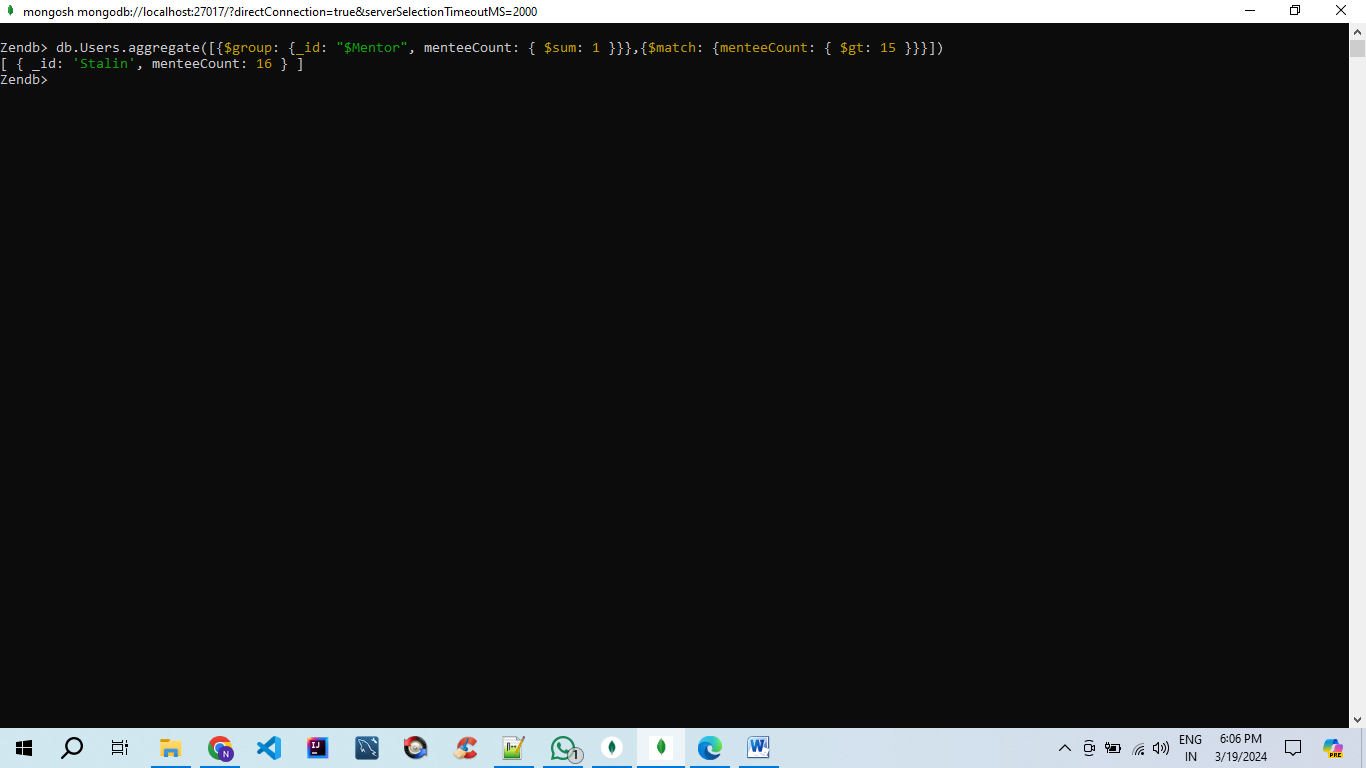




4.db.Attendance.aggregate([{$group: {\_id: "$Stud\_id",total\_problems\_solved: { $sum: "$Codekata" }}},{$project: {Stud\_id: "$\_id",total\_problems\_solved: 1, \_id: 0}}])



5.db.Users.aggregate([{$group: {\_id: "$Mentor", menteeCount: { $sum: 1 }}},{$match: {menteeCount: { $gt: 15 }}}])



6.db.Attendance.aggregate([{$match: {"Attendance.Date": {$gte: "15/10/2020",$lte: "31/10/2020"},"Attendance.Status": "Absent","Attendance.Task Submitted": "No"}},{$group: {\_id: "$Stud\_id"}},{$count: "numAbsentNoTask"}])

