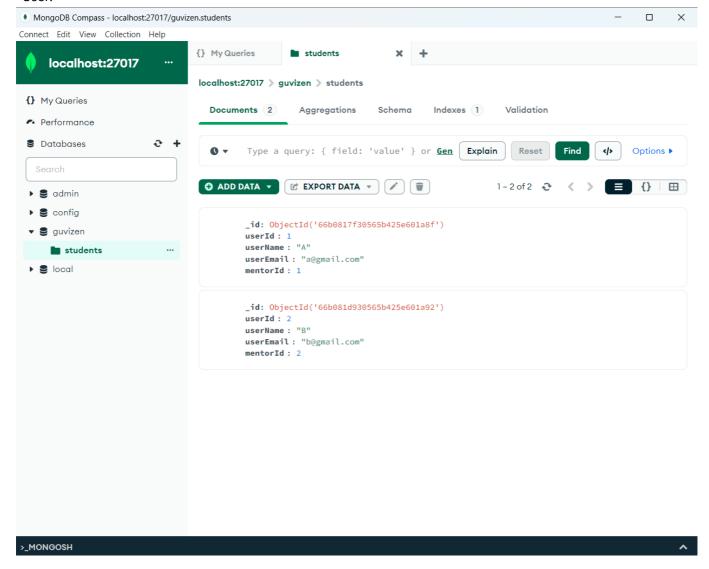
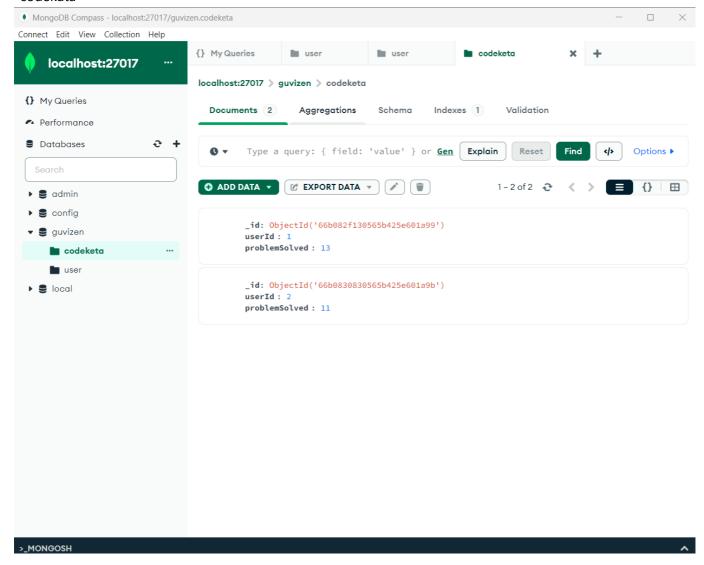
Find all the topics and tasks which are thought in the month of October db.getCollection('Topics').aggregate([{ \$lookup: { from: 'Tasks', localField: 'topic', foreignField: 'task', as: 'Topic Task Data' } }, { \$match: { topicDate: { \$regex: '2020-10' } } }, { \$project: { _id: 0, topic: 1, topicDate: 1, 'Topic Task Data.userId': 1, 'Topic Task Data.task': 1 } }], {maxTimeMS: 60000, allowDiskUse: true });

- 2. Find all the company drives which appeared between 15 oct-2020 and 31-oct-2020 db.getCollection('Company_Drives').find({ driveDate: { \$gte: '2020-10-15', \$lte: '2020-10-31' } });
- 3. Find all the company drives and students who are appeared for the placement. db.getCollection('Company_Drives').aggregate([{ \$lookup: { from: 'Users', localField: 'userId', foreignField: 'userId', as: 'studentInfo' } }, { \$project: { _id: 0, 'studentInfo.userName': 1, company: 1, driveDate: 1, 'studentInfo.userEmail': 1, 'studentInfo.userId': 1 } }], { maxTimeMS: 60000, allowDiskUse: true });
- 4. Find the number of problems solved by the user in codekata db.getCollection('Codekata').aggregate([{ \$group: {_id: 'Total Problem Solved By Users', count: { \$sum: '\$problemSolved' } } }], { maxTimeMS: 60000, allowDiskUse: true });
- 5. Find all the mentors with who has the mentee's count more than 15 db.getCollection('Mentors').aggregate([{ \$match: { menteeCount: { \$gt: 15 } } }], { maxTimeMS: 60000, allowDiskUse: true });
- 6. Find the number of users who are absent and task is not submitted between 15 oct-2020 and 31-oct-2020 db.getCollection('Attendence').aggregate([{ \$lookup: { from: 'Topics', localField: 'topicld', foreignField: 'topicld', as: 'Absent' } }, { \$lookup: { from: 'Tasks', localField: 'userld', foreignField: 'userld', as: 'Task-notSubmitted' } }, { \$unwind: '\$Task-notSubmitted' }, { \$unwind: '\$Absent' }, { \$match: { attended: false, 'Absent.topicDate': { \$gte: '2020-10-15', \$lte: '2020-10-31' } } }, { \$match: { 'Task-notSubmitted.submitted: false } }, { \$project: { _id: 0, 'Absent._id': 0 } }, { \$project: { 'task-notSubmitted._id': 0 } }, { maxTimeMS: 60000, allowDiskUse: true });

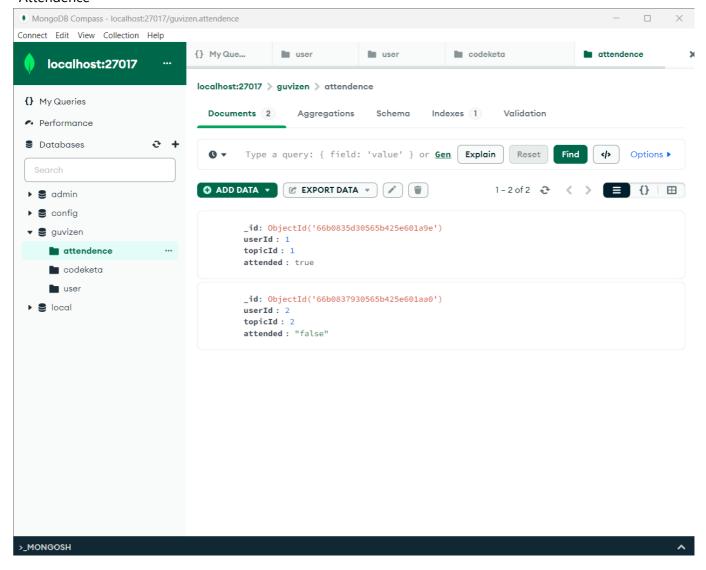
-User:



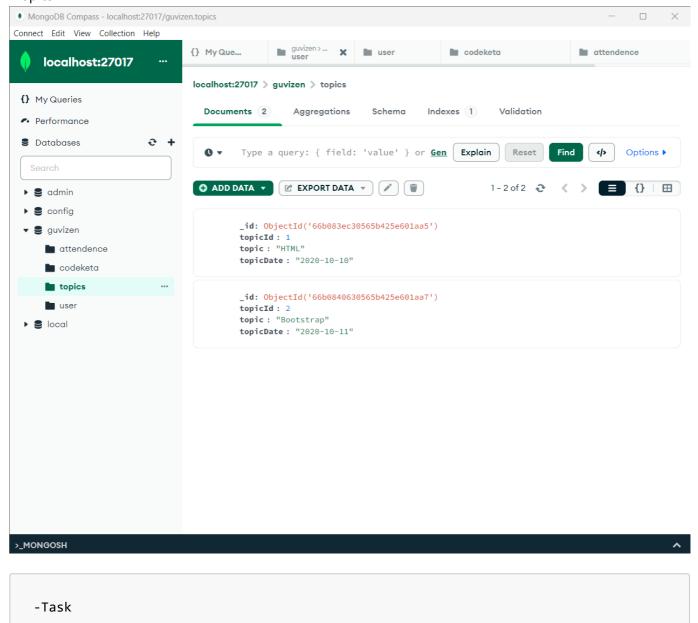
-codekata

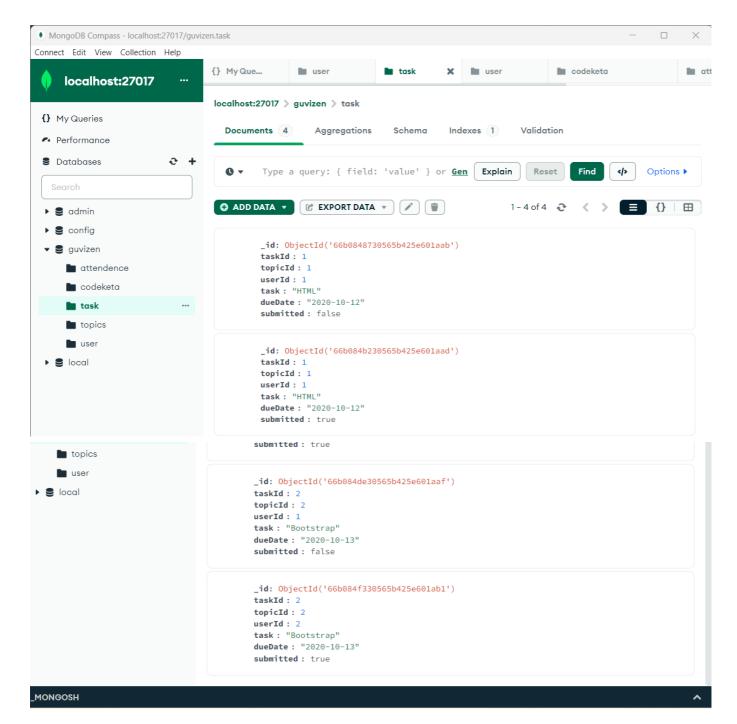


-Attendence

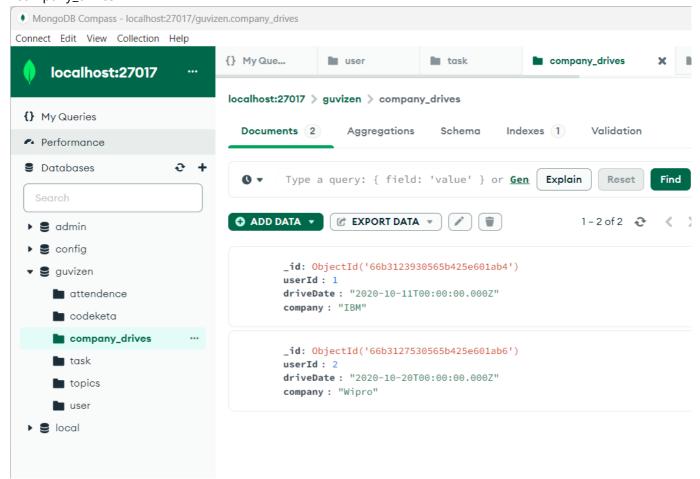


-Topics





-company_drives



-mentors

