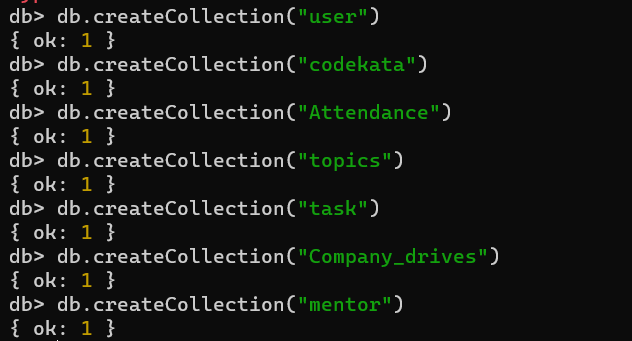
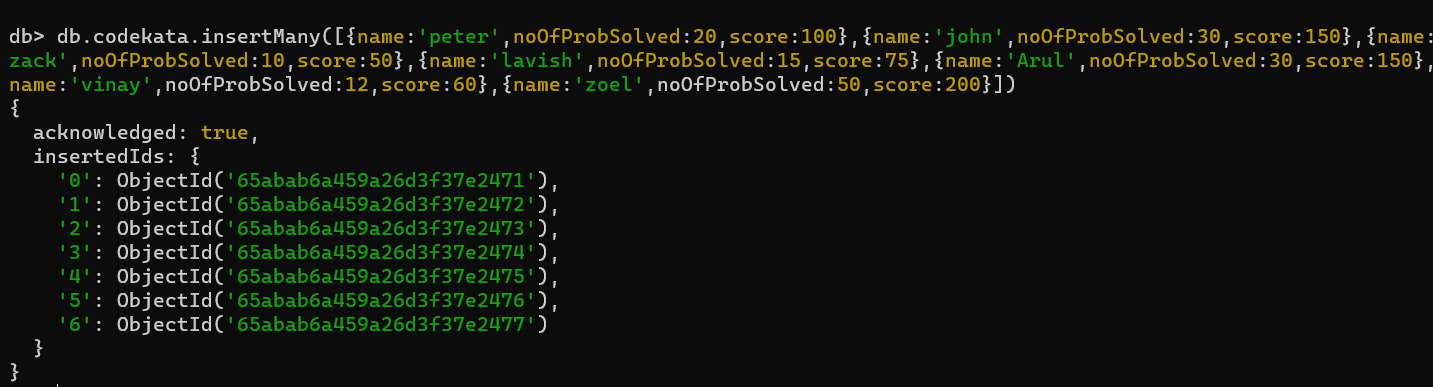
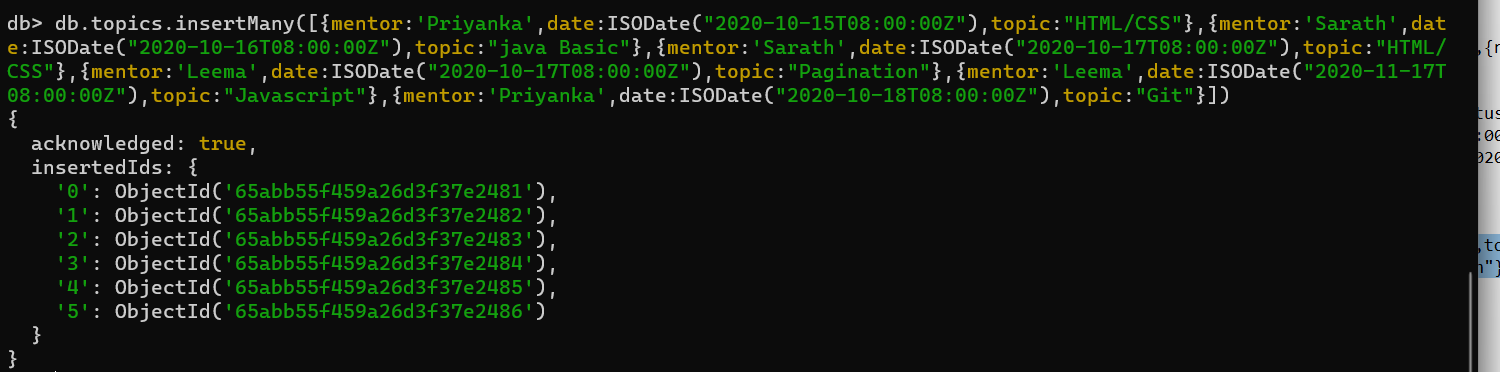
**MONGODB TASK 2**

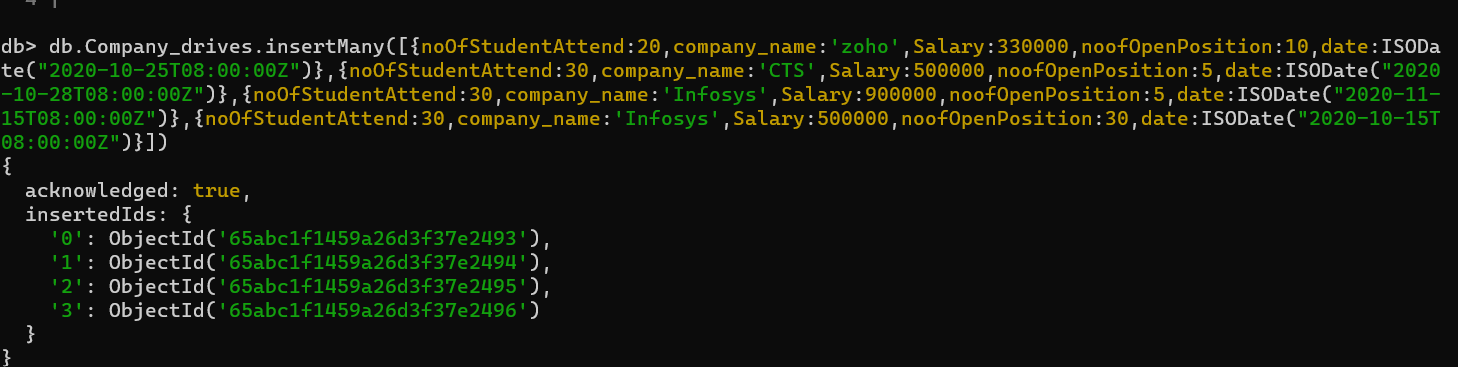
**DATABASE AND TABLE DETAILS:**

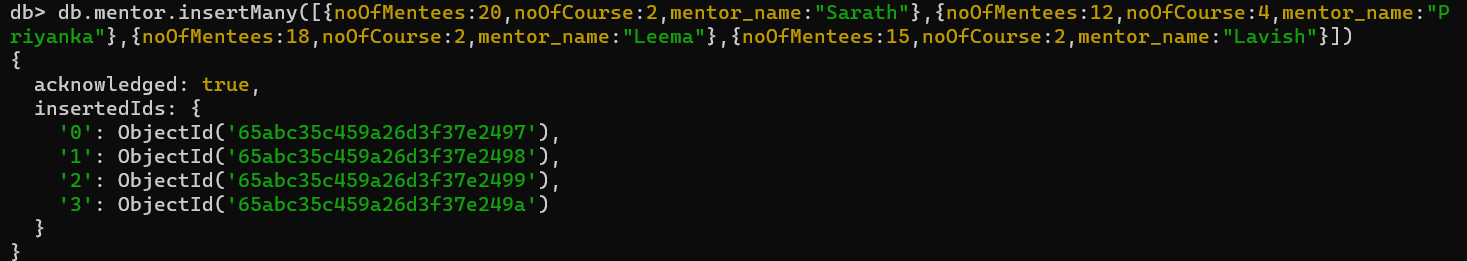










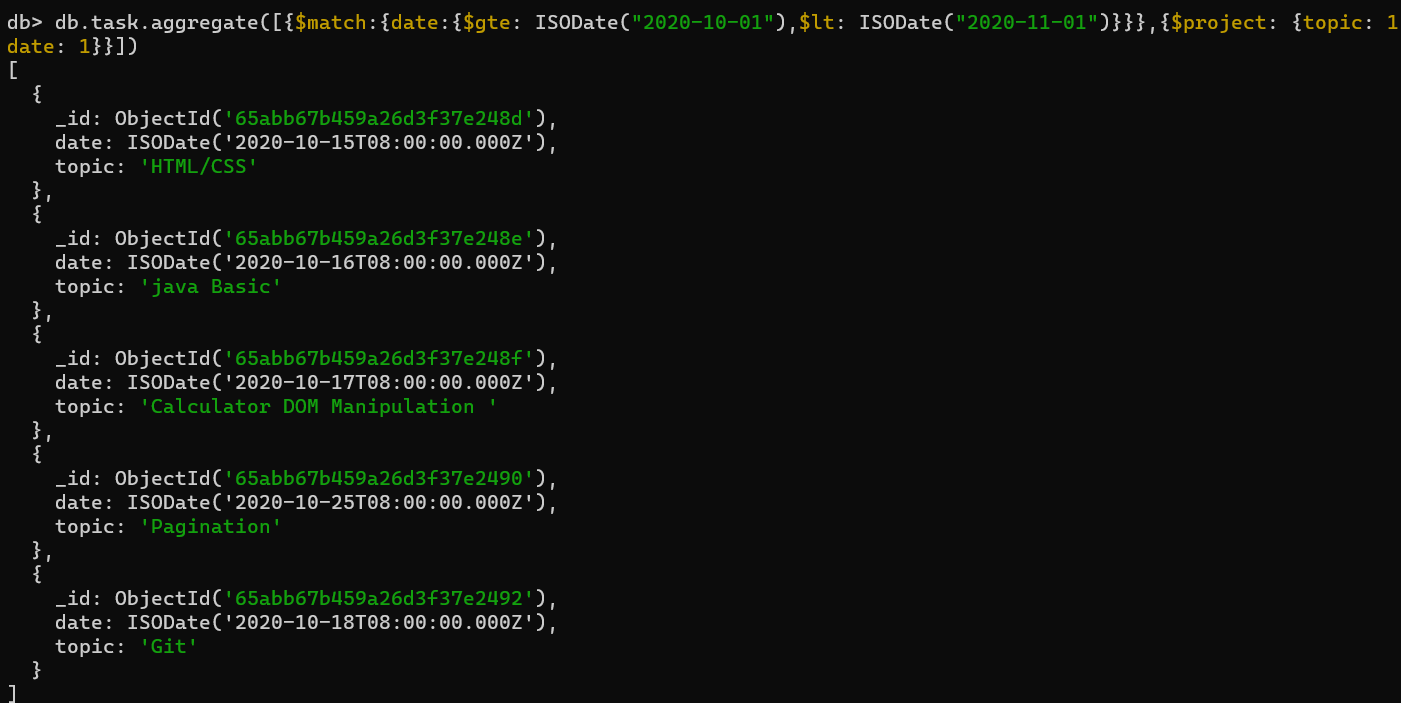


1.Find all the topics and tasks which are thought in the month of October

Task Table:

**Query: db.task.aggregate([{$match:{date:{$gte: ISODate("2020-10-01"),$lt: ISODate("2020-11-01")}}},{$project: {topic: 1,date: 1}}])**

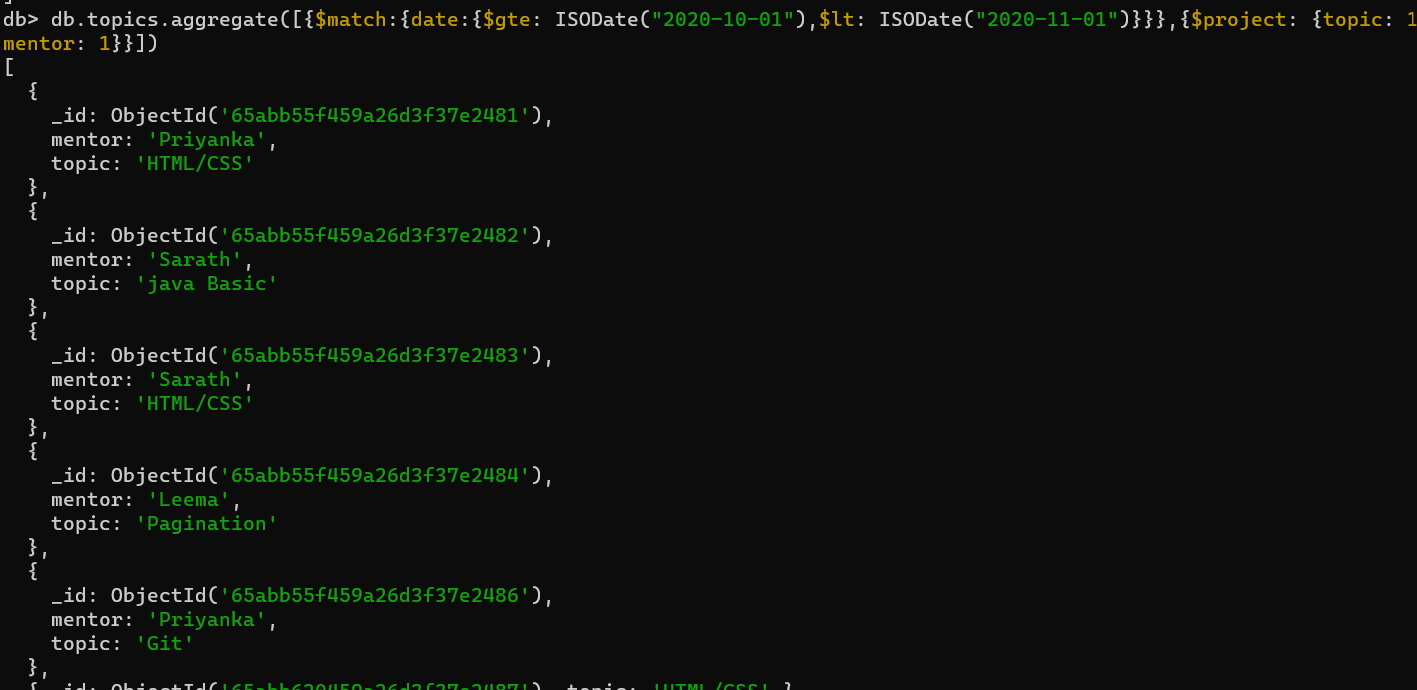
Output:



Topics:

**Query: db.topics.aggregate([{$match:{date:{$gte: ISODate("2020-10-01"),$lt: ISODate("2020-11-01")}}},{$project: {topic: 1,mentor: 1}}])**

Output:

****

2. Find all the company drives which appeared between 15 oct-2020 and 31-oct-2020

**Query:** **db.Company\_drives.aggregate([{$match:{date:{$gte: ISODate("2020-10-15"),$lt: ISODate("2020-10-31")}}}])**

**Output:**

****

3. Find all the company drives and students who are appeared for the placement.

**Query:db.Company\_drives.aggregate([{$lookup:{from:"user",localField:"company\_name",foreignField:"company\_name\_Appeared",as:"CompanyDetails"}}])**

Output:



4. Find the number of problems solved by the user in codekata

**Query:db.codekata.find({},{name:1,noOfProbSolved:1})**

Output:



5. Find all the mentors with who has the mentee's count more than 15

**Query: db.mentor.find({noOfMentees:{$gt:15}})**

Output:



6. Find the number of users who are absent and task is not submitted  between 15 oct-2020 and 31-oct-2020

**Query: db.getCollection('Attendance').aggregate([{$lookup:{from:'task',localField: 'topic',foreignField: 'name',as: 'taskInfo'}},{$match: {$or:[{ 'taskInfo.submitted': false },{ 'taskInfo.date': { $lt: new Date('2020-10-15') } },{ 'taskInfo.date': { $gt: new Date('2020-10-31') } }]}}]);**

Output:

