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

**db.tasks.aggregate([{$lookup:{from:"topics",localField:"Date",foreignField:"Date",as:"topics"}},{$project:{task\_details:"$Task\_name",topic\_name:"$topics.Topic\_Name",Date:{$cond:[{$gte:["$Date","2020-10-01"]},{$lte:["$Date","2020-10-31"]},"$Date"]}}}]);**

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

**db.company\_drives.find({Placement\_Date:{$gte:"2020-10-15",$lte:"2020-10-31"}})**

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

**db.company\_drives.find({},{\_id:0,Company\_Name:1,user\_name:1});**

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

**db.codekata.find({},{\_id:0,user\_name:1,problems\_solved:1});**

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

**db.users.aggregate([{$group:{\_id:"$Mentor\_name",count:{$sum:1}}},{"$match":{count:{"$gte":15}}}]);**

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

**db.attendance.aggregate([{$lookup:{from:"tasks",localField:"Date",foreignField:"Date",as:"tasks"}},{$project:{task\_Name:"$tasks.Task\_name",attendance:{$eq:["Absent","$Attendance\_Status"]},task\_status:{$eq:["No","$tasks.Task\_submission\_status"]},Date:{$cond:[{$gte:["$Date","2020-10-15"]},{$lte:["$Date","2020-10-31"]},"$Date"]}}}]);**