Day2-Task

MongoDB

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

**db.topics.find({ month: "October" });**

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

**db.company\_drives.find({**

**drive\_date: {**

**$gte: ISODate("2020-10-15"),**

**$lte: ISODate("2020-10-31")**

**}**

**});**

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

**db.placements.aggregate([**

**{**

**$lookup: {**

**from: "company\_drives",**

**localField: "drive\_id",**

**foreignField: "\_id",**

**as: "drive\_info"**

**}**

**},**

**{**

**$unwind: "$drive\_info"**

**},**

**{**

**$project: {**

**drive\_name: "$drive\_info.name",**

**student\_name: 1**

**}**

**}**

**]);**

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

**db.codekata.aggregate([**

**{**

**$match: { user\_id: "123" }**

**},**

**{**

**$group: {**

**\_id: null,**

**total\_problems\_solved: { $sum: "$problems\_solved" }**

**}**

**}**

**]);**

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

**db.mentors.find({ mentee\_count: { $gt: 15 } });**

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

**db.users.aggregate([**

**{**

**$lookup: {**

**from: "attendance",**

**localField: "\_id",**

**foreignField: "user\_id",**

**as: "attendance\_info"**

**}**

**},**

**{**

**$lookup: {**

**from: "tasks",**

**localField: "\_id",**

**foreignField: "user\_id",**

**as: "task\_info"**

**}**

**},**

**{**

**$match: {**

**"attendance\_info.attendance\_date": {**

**$gte: ISODate("2020-10-15"),**

**$lte: ISODate("2020-10-31")**

**},**

**"task\_info.task\_status": { $ne: "submitted" }**

**}**

**}**

**]);**