# DAY-36 MangoDB QUERY

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

```
db.topics.aggregate([
  {
    $project :{
      'topic_name': 1,
      'date': '$date',
      'month' : {
        $month: '$date'
      },
      'year': {
        $year: '$date'
      },

    }
  },
  {
    $match:{
```

# DAY-36 MangoDB QUERY

```
        'month': 10,

        'year': 2020

     }

  },

  {

    $project:{

      'topic_name': 1,

      'date': 1

    }

  }


]).pretty()
```

# DAY-36 MangoDB QUERY

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

```
db.drives.aggregate([

  {

    $project:{

      'drive_name': '$dirve_name',

      'date': 1,

      'day': { $dayOfMonth : '$date'},

      'month': {$month : '$date'},

      'year': {$year: '$date'}

    }

  },

  {

    $match: {

      'year':{

        $eq : 2020

      },
```

# DAY-36 MangoDB QUERY

```
            'month':{

                $eq : 10

            },

            'day': {

                $gte: 15,

                $lte:31

            }

        }

    },

    {

        $project: {

            'drive_name': 1,

            'date': 1

        }

    }

]).pretty();
```

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

```
db.drives.aggregate([

    {

        $lookup: {

            from: 'users',

            localField: 'user_ids',

            foreignField: 'userdId',

            as: 'res'

        }

    }

]).pretty()
```

**4) Find the number of problems solved by the user in codekata**

```
db.codekata.aggregate([
```

# DAY-36 MangoDB QUERY

```
{

    $lookup:{

        from: 'users',

        localField: 'userId',

        foreignField: 'userdId',

        as: 'user_details'

    }

},

{

    $project: {

        'name' : '$user_details.name',

        'problems_solved': '$problemsSolved'

    }

}

]).pretty()
```

# DAY-36 MangoDB QUERY

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

```
db.mentors.aggregate([

  {

    $lookup: {

      from: 'users',

      localField: 'mentor_id',

      foreignField: 'userdId',

      as: 'mentor_details'

    }

  },

  {

    $project: {

      'mentor_name': '$mentor_details.name',

      'mentees_count': {

        $size: '$mentee_ids'

      }
```

# DAY-36 MangoDB QUERY

```
            }

        },

        {

            $match: {

                'mentees_count': {

                    $gte: 15

                }

            }

        }

    ]).pretty()
```

# DAY-36 MangoDB QUERY

**6)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: 'userId',

        foreignField: 'user_id',

        as: 'userTasks'

    }

  },

  {

    $match: {

        'userTasks.submission_date': {

            $gte: ISODate("2020-10-15T00:00:00Z"),

            $lte: ISODate("2020-11-01T00:00:00Z"),
```

# DAY-36 MangoDB QUERY

```
        },
        'status': 'absent'
    }
},
{
    $lookup: {
        from: 'users',
        localField: 'userId',
        foreignField: 'userdId',
        as: 'userDetails'

    }
},
{
    $project: {
        'userDetails': {
            $arrayElemAt: ["$userDetails", 0]
```

# DAY-36 MangoDB QUERY

```
        },

        'taskDetails': {

            $arrayElemAt: ["$userTasks", 0]

        },

        'status': 1

    }

},

{

    $project: {

        'Name': "$userDetails.name",

        'Task Name': '$taskDetails.task_name',

        'status': 1,

        'Submission date': '$taskDetails.submission_date',


    }

}

]).pretty()
```