

USERS:

```
> db.users.find().pretty()
{
  "_id" : ObjectId("612bad234d2349d7b8eb2cc0"),
  "id" : 1,
  "Firstname" : "Jonas",
  "Lastname" : "Susan",
  "email" : "ghernande@classicmodelcars.com",
  "phone" : 2345678645
}
{
  "_id" : ObjectId("612badc04d2349d7b8eb2cc1"),
  "id" : 3,
  "Firstname" : "Barry",
  "Lastname" : "Andy",
  "email" : "lbott@classicmodelcars.com",
  "phone" : 2323234566
}
{
  "_id" : ObjectId("612badc04d2349d7b8eb2cc2"),
  "id" : 2,
  "Firstname" : "Larry",
  "Lastname" : "Bott",
  "email" : "bjones@classicmodelcars.com",
  "phone" : 4563234566
}
```

CODEKATA:

```
> db.codekata.find().pretty()
{
  "_id" : ObjectId("612baf644d2349d7b8eb2cc3"),
  "id" : 1,
  "number_of_problems_solved" : 34,
  "completed_topics" : [
    "zen",
    "company",
    "microsoft"
  ]
}
{
  "_id" : ObjectId("612baf644d2349d7b8eb2cc4"),
  "id" : 2,
  "number_of_problems_solved" : 100,
  "completed_topics" : [
    "zen",
    "company",
    "zoho"
  ]
}
{
  "_id" : ObjectId("612baf644d2349d7b8eb2cc5"),
  "id" : 3,
  "number_of_problems_solved" : 50,
  "completed_topics" : [
    "zen",
    "company",
    "zoho",
    "absolute beginner"
  ]
}
```

ATTENDANCE:

```
> db.attendance.find().pretty()
{
  "_id" : ObjectId("612bb0514d2349d7b8eb2cc6"),
  "id" : 1,
  "attendance" : "absent",
  "month" : "Oct"
}
{
  "_id" : ObjectId("612bb0514d2349d7b8eb2cc7"),
  "id" : 2,
  "attendance" : "present",
  "month" : "Oct"
}
{
  "_id" : ObjectId("612bb0514d2349d7b8eb2cc8"),
  "id" : 3,
  "attendance" : "absent",
  "month" : "Oct"
}
```

TOPICS:

```
> db.topics.find().pretty()
{
  "_id" : ObjectId("612bb1324d2349d7b8eb2cc9"),
  "id" : 1,
  "topics" : [
    "html",
    "css",
    "bootstrap"
  ],
  "month" : "Oct",
  "tasks" : [
    "pan-card",
    "laud-page",
    "Registration form"
  ]
}
```

TASKS:

```
> db.tasks.find().pretty()
{
  "_id" : ObjectId("612bb2314d2349d7b8eb2ccc"),
  "id" : 1,
  "status" : "completed",
  "date_of_completion" : "28-08-2020"
}
{
  "_id" : ObjectId("612bb2314d2349d7b8eb2ccd"),
  "id" : 2,
  "status" : "not completed",
  "date_of_completion" : "to be updated"
}
{
  "_id" : ObjectId("612bb2314d2349d7b8eb2cce"),
  "id" : 3,
  "status" : "not completed",
  "date_of_completion" : "to be updated"
}
```

COMPANY_DRIVES:

```
> db.companydrives.find().pretty()
{
  "_id" : ObjectId("6131d8e9d49948d2ec9fff76"),
  "id" : 106,
  "company_name" : "abc",
  "number_of_students" : 45,
  "date" : ISODate("2020-08-19T00:00:00Z")
}
{
  "_id" : ObjectId("6131d8e9d49948d2ec9fff77"),
  "id" : 456,
  "company_name" : "xyz",
  "number_of_students" : 675,
  "date" : ISODate("2020-08-25T00:00:00Z")
}
{
  "_id" : ObjectId("6131d8e9d49948d2ec9fff78"),
  "id" : 309,
  "company_name" : "yuy",
  "number_of_students" : 67,
  "date" : ISODate("2020-09-01T00:00:00Z")
}
```

MENTORS:

```
> db.mentors.find().pretty()
{
  "_id" : ObjectId("612bb3b04d2349d7b8eb2ccf"),
  "id" : 10,
  "Firstname" : "Martin",
  "Lastname" : "Yoshimi",
  "email" : "mgerard@classicmodelcars.com",
  "mentee" : "10"
}
{
  "_id" : ObjectId("612bb3b04d2349d7b8eb2cd0"),
  "id" : 209,
  "Firstname" : "Peter",
  "Lastname" : "Fixter",
  "email" : "bjones@classicmodelcars.com",
  "mentee" : "25"
}
{
  "_id" : ObjectId("612bb3b04d2349d7b8eb2cd1"),
  "id" : 389,
  "Firstname" : "Bondur",
  "Lastname" : "Andy",
  "email" : "lbondur@classicmodelcars.com",
  "mentee" : "18"
}
```

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

```
> db.topics.find({}, {tasks:1, topics:1}).pretty()
{
  "_id" : ObjectId("612bb1324d2349d7b8eb2cc9"),
  "topics" : [
    "html",
    "css",
    "bootstrap"
  ],
  "tasks" : [
    "pan-card",
    "laud-page",
    "Registration form"
  ]
}
```

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

```
> db.companydrives.find({
... .. date : {
... .. $gt : new Date("2020-08-15"),
... .. $lt : new Date("2020-08-30")
... .. }
... .. }).pretty()
{
  "_id" : ObjectId("6131d8e9d49948d2ec9fff76"),
  "id" : 106,
  "company_name" : "abc",
  "number_of_students" : 45,
  "date" : ISODate("2020-08-19T00:00:00Z")
}
{
  "_id" : ObjectId("6131d8e9d49948d2ec9fff77"),
  "id" : 456,
  "company_name" : "xyz",
  "number_of_students" : 675,
  "date" : ISODate("2020-08-25T00:00:00Z")
}
```

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

```
> db.companydrives.find({}, {company_name:1,number_of_students:1}).pretty()
{
  "_id" : ObjectId("6131d8e9d49948d2ec9fff76"),
  "company_name" : "abc",
  "number_of_students" : 45
}
{
  "_id" : ObjectId("6131d8e9d49948d2ec9fff77"),
  "company_name" : "xyz",
  "number_of_students" : 675
}
{
  "_id" : ObjectId("6131d8e9d49948d2ec9fff78"),
  "company_name" : "yuy",
  "number_of_students" : 67
}
```

Find the number of problems solved by the user in codekata

```
> db.codekata.find({}, {number_of_problems_solved:1,id:1}).pretty()
{
  "_id" : ObjectId("612baf644d2349d7b8eb2cc3"),
  "id" : 1,
  "number_of_problems_solved" : 34
}
{
  "_id" : ObjectId("612baf644d2349d7b8eb2cc4"),
  "id" : 2,
  "number_of_problems_solved" : 100
}
{
  "_id" : ObjectId("612baf644d2349d7b8eb2cc5"),
  "id" : 3,
  "number_of_problems_solved" : 50
}
```

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

```
> db.mentors.find({mentee:{$gt:"15"}}).pretty()
{
  "_id" : ObjectId("612bb3b04d2349d7b8eb2cd0"),
  "id" : 209,
  "Firstname" : "Peter",
  "Lastname" : "Fixter",
  "email" : "bjones@classicmodelcars.com",
  "mentee" : "25"
}
{
  "_id" : ObjectId("612bb3b04d2349d7b8eb2cd1"),
  "id" : 389,
  "Firstname" : "Bondur",
  "Lastname" : "Andy",
  "email" : "lbondur@classicmodelcars.com",
  "mentee" : "18"
}
```

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: "id", foreignField: "id", as: "status_of_completion" } }]).pretty()
{
  "_id" : ObjectId("6132297bd4bee93b6057c3f8"),
  "id" : 1,
  "attendance" : "absent",
  "status_of_completion" : [
    {
      "_id" : ObjectId("6132318e9d6e159b202dc3ae"),
      "id" : 1,
      "status" : "completed",
      "date_of_completion" : "28-08-2020"
    }
  ]
}
{
  "_id" : ObjectId("6132297bd4bee93b6057c3f9"),
  "id" : 2,
  "attendance" : "present",
  "status_of_completion" : [
    {
      "_id" : ObjectId("6132318e9d6e159b202dc3af"),
      "id" : 2,
      "status" : "not completed",
      "date_of_completion" : "to be updated"
    }
  ]
}
{
  "_id" : ObjectId("6132297bd4bee93b6057c3fa"),
  "id" : 3,
  "attendance" : "absent",
  "status_of_completion" : [
    {
      "_id" : ObjectId("6132318e9d6e159b202dc3b0"),
      "id" : 3,
      "status" : "not completed",
      "date_of_completion" : "to be updated"
    }
  ]
}
```