MongoDB Task

Design database for Zen class programme
users
codekata
attendance
topics
tasks
company_drives
mentors

Solution:

```
db.ZenClass.insertMany([
   {"users": "student", "name": "Student 1", "codekata": 15,

     "attendance": [ {"date": "2020-10-15", "status": "P"},

                      {"date": "2020-10-16", "status": "P"},

                      {"date": "2020-10-17", "status": "P"},

                      {"date": "2020-10-18", "status": "P"},

                      {"date": "2020-10-19","status": "P"},

                      {"date": "2020-10-20","status": "P"},

                      {"date": "2020-10-21","status": "A"},

                      {"date": "2020-10-22", "status": "A"},

                      {"date": "2020-10-23", "status": "A"},

                       {"date": "2020-10-24","status": "A"},

                        {"date": "2020-10-25","status": "A"}],

      "topic": [{"date": "2020-10-15","topic": "JS"},

                  {"date": "2020-10-16","topic": "CSS"},

                  {"date": "2020-10-17","topic": "HTML"},

                   {"date": "2020-10-18","topic": "REACT"},

                  {"date": "2020-10-19", "topic": "JS"},

                  {"date": "2020-10-20", "topic": "NODEJS"},

                   {"date": "2020-10-21", "status": "SQL"},

                  {"date": "2020-10-22","topic": "MONGODB"},
                   {"date": "2020-10-23", "topic": "AWS"},

                   {"date": "2020-10-24","topic": "DS"},

                  {"date": "2020-10-25","topic": "AL"} ],
```

"task": [{"date": "2020-10-15","task": true},

{"date": "2020-10-16","task": true},

{"date": "2020-10-17","task": true},

{"date": "2020-10-18","task": true},

{"date": "2020-10-19","task": true},

{"date": "2020-10-20","task": true},

{"date": "2020-10-21","task": true},

{"date": "2020-10-22","task": true},

{"date": "2020-10-23","task": true},

{"date": "2020-10-24","task": true},

{"date": "2020-10-25", "task": true}

],

"placement_drives": [{"date": "2020-10-01", "name": "zoho","result": "Not-selected"},

{"date": "2020-10-10", "name": "amazon", "result": "Not-selected"},

{"date": "2020-10-17","name": "flipkart","result": "Selected"},

{"date": "2020-10-18","name": "paypal", "result": "Not-selected"},

{"date": "2020-10-19","name": "IBM","result": "selected"},

{"date": "2020-10-20", "name": "snapdeal","result": "Not-selected"},

{"date": "2020-10-21","name": "power", "result": "Not-selected"},

{"date": "2020-10-22", "name": "onesolution","result": "Not-selected"},

{"date": "2020-10-23", "name": "codingmart", "result": "selected"},

{"date": "2020-10-24", "name": "CTS", "result": "Not-selected"},

{"date": "2020-11-10", "name": "infosys","result": "Not-selected"}

] },

{"users": "student","name": "Student 2","codekata": 50,

"attendance": [{"date": "2020-10-15","status": "P"},

{"date": "2020-10-16","status": "P"},

{"date": "2020-10-17", "status": "P"},

{"date": "2020-10-18","status": "P"},

{"date": "2020-10-19","status": "P"},

                {"date": "2020-10-20","status": "P"},
            {"date": "2020-10-21","status": "P"},
                {"date": "2020-10-22","status": "P"},
                {"date": "2020-10-23","status": "P"},
                {"date": "2020-10-24","status": "P"},
                {"date": "2020-10-25","status": "P"}
        ],
    "topic": [{"date": "2020-10-15","topic": "JS"},
            {"date": "2020-10-16","topic": "CSS"},
            {"date": "2020-10-17","topic": "HTML"},
            {"date": "2020-10-18","topic": "REACT"},
            {"date": "2020-10-19","topic": "JS"},
            {"date": "2020-10-20","topic": "NODEJS"},
            {"date": "2020-10-21","status": "SQL"},
            {"date": "2020-10-22","topic": "MONGODB"},
            {"date": "2020-10-23","topic": "AWS"},
            {"date": "2020-10-24","topic": "DS"},
            {"date": "2020-10-25","topic": "AL"}
        ],
    "task": [{"date": "2020-10-15","task": true},
            {"date": "2020-10-16","task": true},
            {"date": "2020-10-17", "task": true},
            {"date": "2020-10-18","task": true},
            {"date": "2020-10-19","task": true},
            {"date": "2020-10-20", "task": true},
            {"date": "2020-10-21", "task": true},
            {"date": "2020-10-22","task": true},
            {"date": "2020-10-23","task": true},
            {"date": "2020-10-24","task": true},
            {"date": "2020-10-25","task": true}
        ],

"placement_drives": [{"date": "2020-10-01","name": "zoho","result": "Not-selected"},

{"date": "2020-10-10","name": "amazon","result": "Not-selected"},

{"date": "2020-10-17","name": "flipkart","result": "Not-Selected"},

{"date": "2020-10-18","name": "paypal","result": "Not-selected"},

{"date": "2020-10-19","name": "IBM","result": "Not-selected"},

{"date": "2020-10-20","name": "snapdeal","result": "Not-selected"},

{"date": "2020-10-21","name": "power", "result": "Not-selected"},

{"date": "2020-10-22","name": "onesolution","result": "Not-selected"},

{"date": "2020-10-23","name": "codingmart","result": "Not-selected"},

{"date": "2020-10-24","name": "CTS","result": "Not-selected"},

{"date": "2020-11-10","name": "infosys","result": "Not-selected"}
 ]
 },
 {"users": "student","name": "Student 3","codekata": 150,
"attendance": [{"date": "2020-10-15","status": "P"},

{"date": "2020-10-16","status": "P"},

{"date": "2020-10-17","status": "P"},

{"date": "2020-10-18","status": "P"},

{"date": "2020-10-19","status": "P"},

{"date": "2020-10-20","status": "P"},

{"date": "2020-10-21","status": "P"},

{"date": "2020-10-22","status": "P"},

{"date": "2020-10-23","status": "P"},

{"date": "2020-10-24","status": "P"},

{"date": "2020-10-25","status": "P"}],
"topic": [{"date": "2020-10-15","topic": "JS"},

{"date": "2020-10-16","topic": "CSS"},

{"date": "2020-10-17","topic": "HTML"},

{"date": "2020-10-18","topic": "REACT"},

{"date": "2020-10-19","topic": "JS"},

{"date": "2020-10-20","topic": "NODEJS"},

{"date": "2020-10-21","status": "SQL"},

{"date": "2020-10-22","topic": "MONGODB"},

{"date": "2020-10-23","topic": "AWS"},

{"date": "2020-10-24","topic": "DS"},

{"date": "2020-10-25","topic": "AL"}
],
"task": [{"date": "2020-10-15","task": false},

{"date": "2020-10-16","task": false},

{"date": "2020-10-17","task": false},

{"date": "2020-10-18","task": false},

{"date": "2020-10-19","task": false},

{"date": "2020-10-20","task": false},

{"date": "2020-10-21","task": false},

{"date": "2020-10-22","task": false},

{"date": "2020-10-23","task": false},

{"date": "2020-10-24","task": false},

{"date": "2020-10-25","task": false}
],
"placement_drives": [{"date": "2020-10-01","name": "zoho","result": "selected"},

{"date": "2020-10-10","name": "amazon","result": "Not-selected"},

{"date": "2020-10-17","name": "flipkart","result": "Selected"},

{"date": "2020-10-18","name": "paypal","result": "selected"},

{"date": "2020-10-19","name": "IBM","result": "Not-selected"},

{"date": "2020-10-20","name": "snapdeal","result": "Not-selected"},

{"date": "2020-10-21","name": "power","result": "Not-selected"},

{"date": "2020-10-22","name": "onesolution","result": "selected"},

{"date": "2020-10-23","name": "codingmart","result": "selected"},

{"date": "2020-10-24","name": "CTS","result": "Not-selected"},

{"date": "2020-11-10","name": "infosys","result": "selected"}
]},
{"users": "student","name": "Student 4","codekata": 10,

"attendance": [{"date": "2020-10-15","status": "P"},

{"date": "2020-10-16","status": "P"},

{"date": "2020-10-17","status": "P"},

{"date": "2020-10-18","status": "P"},

{"date": "2020-10-19","status": "P"},

{"date": "2020-10-20","status": "P"},

{"date": "2020-10-21","status": "P"},

{"date": "2020-10-22","status": "A"},

{"date": "2020-10-23","status": "A"},

{"date": "2020-10-24","status": "A"},

{"date": "2020-10-25","status": "P"}

],

"topic": [{"date": "2020-10-15","topic": "JS"},

{"date": "2020-10-16","topic": "CSS"},

{"date": "2020-10-17","topic": "HTML"},

{"date": "2020-10-18","topic": "REACT"},

{"date": "2020-10-19","topic": "JS"},

{"date": "2020-10-20","topic": "NODEJS"},

{"date": "2020-10-21","status": "SQL"},

{"date": "2020-10-22","topic": "MONGODB"},

{"date": "2020-10-23","topic": "AWS"},

{"date": "2020-10-24","topic": "DS"},

{"date": "2020-10-25","topic": "AL"}

],

"task": [{"date": "2020-10-15","task": true},

{"date": "2020-10-16","task": false},

{"date": "2020-10-17","task": true},

{"date": "2020-10-18","task": true},

{"date": "2020-10-19","task": false},

{"date": "2020-10-20","task": true},

            {"date": "2020-10-21","task": false},

            {"date": "2020-10-22","task": true},

            {"date": "2020-10-23","task": true},

            {"date": "2020-10-24","task": true},

            {"date": "2020-10-25","task": false}

        ],

    "placement_drives": [{"date": "2020-10-01","name": "zoho","result": " Not-selected"},

            {"date": "2020-10-10","name": "amazon","result": "Not-selected"},

            {"date": "2020-10-17","name": "flipkart","result": " Not-Selected"},

            {"date": "2020-10-18","name": "paypal","result": " Not-selected"},

            {"date": "2020-10-19","name": "IBM","result": "Not-selected"},

            {"date": "2020-10-20","name": "snapdeal","result": "Not-selected"},

            {"date": "2020-10-21","name": "power","result": "Not-selected"},

          {"date": "2020-10-22","name": "onesolution","result": " Not-selected"},

            {"date": "2020-10-23","name": "codingmart","result": " Not-selected"},

            {"date": "2020-10-24","name": "CTS","result": "Not-selected"},

            {"date": "2020-11-10","name": "infosys","result": " Not-selected"}

        ]},

{"users": "mentor","name": "mentor 1","codekata": 200,

"skillset": ["PHP", "HTML", "JS", "REACT JS"],"mentee_count": 30,

"feedback": [{"name": "Student 1","rating": 3},

                {"name": "Student 2","rating": 5},

              {"name": "Student 3","rating": 4},

          {"name": "Student 4","rating": 3.5}]

    },

    {"users": "mentor","name": "mentor 2","codekata": 300,

        "skillset": ["REACT JS", "HTML", "JS"],"mentee_count": 10,

        "feedback": [{"name": "Student 1","rating": 2},

          {"name": "Student 2","rating": 3},

          {"name": "Student 3","rating": 4.5},

          {"name": "Student 4", "rating": 2}]

    },

{"users": "mentor","name": "mentor 3","codekata": 350,

 "skillset": ["REACT NATIVE", "HTML", "CSS"],"mentee_count": 10,

     "feedback": [{"name": "Student 1","rating": 5},

        {"name": "Student 2","rating": 4},

        {"name": "Student 3","rating": 5},

        {"name": "Student 4","rating": 3}

]

    }]);

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

   Solution: db.ZenClass.find({users:"student"},{topic:1,task:1}).pretty();

```
task> db.ZenClass.find({users:"student"},{topic:1,task:1}).pretty();
[
  {
    _id: ObjectId('660d680ce0f012c0b09f990a'),
    topic: [
      { date: '2020-10-15', topic: 'JS' },
      { date: '2020-10-16', topic: 'CSS' },
      { date: '2020-10-17', topic: 'HTML' },
      { date: '2020-10-18', topic: 'REACT' },
      { date: '2020-10-19', topic: 'JS' },
      { date: '2020-10-20', topic: 'NODEJS' },
      { date: '2020-10-21', status: 'SQL' },
      { date: '2020-10-22', topic: 'MONGODB' },
      { date: '2020-10-23', topic: 'AWS' },
      { date: '2020-10-24', topic: 'DS' },
      { date: '2020-10-25', topic: 'AL' }
    ],
    task: [
      { date: '2020-10-15', task: true },
      { date: '2020-10-16', task: true },
      { date: '2020-10-17', task: true },
      { date: '2020-10-18', task: true },
      { date: '2020-10-19', task: true },
      { date: '2020-10-20', task: true },
      { date: '2020-10-21', task: true },
      { date: '2020-10-22', task: true },
      { date: '2020-10-23', task: true },
      { date: '2020-10-24', task: true },
      { date: '2020-10-25', task: true }
    ]
  },
  {
    _id: ObjectId('660d680ce0f012c0b09f990b'),
    topic: [
      { date: '2020-10-15', topic: 'JS' },
      { date: '2020-10-16', topic: 'CSS' },
      { date: '2020-10-17', topic: 'HTML' },
      { date: '2020-10-18', topic: 'REACT' },
      { date: '2020-10-19', topic: 'JS' },
      { date: '2020-10-20', topic: 'NODEJS' },
      { date: '2020-10-21', status: 'SQL' },
```

```
      { date: '2020-10-20', topic: 'NODEJS' },
      { date: '2020-10-21', status: 'SQL' },
      { date: '2020-10-22', topic: 'MONGODB' },
      { date: '2020-10-23', topic: 'AWS' },
      { date: '2020-10-24', topic: 'DS' },
      { date: '2020-10-25', topic: 'AL' }
    ],
    task: [
      { date: '2020-10-15', task: true },
      { date: '2020-10-16', task: true },
      { date: '2020-10-17', task: true },
      { date: '2020-10-18', task: true },
      { date: '2020-10-19', task: true },
      { date: '2020-10-20', task: true },
      { date: '2020-10-21', task: true },
      { date: '2020-10-22', task: true },
      { date: '2020-10-23', task: true },
      { date: '2020-10-24', task: true },
      { date: '2020-10-25', task: true }
    ]
  },
  {
    _id: ObjectId('660d680ce0f012c0b09f990c'),
    topic: [
      { date: '2020-10-15', topic: 'JS' },
      { date: '2020-10-16', topic: 'CSS' },
      { date: '2020-10-17', topic: 'HTML' },
      { date: '2020-10-18', topic: 'REACT' },
      { date: '2020-10-19', topic: 'JS' },
      { date: '2020-10-20', topic: 'NODEJS' },
      { date: '2020-10-21', status: 'SQL' },
      { date: '2020-10-22', topic: 'MONGODB' },
      { date: '2020-10-23', topic: 'AWS' },
      { date: '2020-10-24', topic: 'DS' },
      { date: '2020-10-25', topic: 'AL' }
    ],
    task: [
      { date: '2020-10-15', task: false },
      { date: '2020-10-16', task: false },
      { date: '2020-10-17', task: false },
      { date: '2020-10-18', task: false },
      { date: '2020-10-20', task: false },
      { date: '2020-10-21', task: false },
      { date: '2020-10-22', task: false },
      { date: '2020-10-23', task: false },
      { date: '2020-10-24', task: false },
      { date: '2020-10-25', task: false }
    ]
  },
  {
    _id: ObjectId('660d680ce0f012c0b09f990d'),
    topic: [
      { date: '2020-10-15', topic: 'JS' },
      { date: '2020-10-16', topic: 'CSS' },
      { date: '2020-10-17', topic: 'HTML' },
      { date: '2020-10-18', topic: 'REACT' },
      { date: '2020-10-19', topic: 'JS' },
      { date: '2020-10-20', topic: 'NODEJS' },
      { date: '2020-10-21', status: 'SQL' },
      { date: '2020-10-22', topic: 'MONGODB' },
      { date: '2020-10-23', topic: 'AWS' },
      { date: '2020-10-24', topic: 'DS' },
      { date: '2020-10-25', topic: 'AL' }
    ],
    task: [
      { date: '2020-10-15', task: true },
      { date: '2020-10-16', task: false },
      { date: '2020-10-17', task: true },
      { date: '2020-10-18', task: true },
      { date: '2020-10-19', task: false },
      { date: '2020-10-20', task: true },
      { date: '2020-10-21', task: false },
      { date: '2020-10-22', task: true },
      { date: '2020-10-23', task: true },
      { date: '2020-10-24', task: true },
      { date: '2020-10-25', task: false }
    ]
  }
]
task> |
```

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

Solution: db.ZenClass.find({ users: "student" },{ attendance: 0, topic: 0, task: 0, users: 0, codekata: 0 }).pretty();

```
task> db.ZenClass.find({ users: "student" },{ attendance: 0, topic: 0, task: 0, users: 0, codekata: 0 }).pretty();
[
  {
    _id: ObjectId('660d680ce0f012c0b09f990a'),
    name: 'Student 1',
    placement_drives: [
      { date: '2020-10-01', name: 'zoho', result: 'Not-selected' },
      { date: '2020-10-10', name: 'amazon', result: 'Not-selected' },
      { date: '2020-10-17', name: 'flipkart', result: 'Selected' },
      { date: '2020-10-18', name: 'paypal', result: 'Not-selected' },
      { date: '2020-10-19', name: 'IBM', result: 'selected' },
      { date: '2020-10-20', name: 'snapdeal', result: 'Not-selected' },
      { date: '2020-10-21', name: 'power', result: 'Not-selected' },
      {
        date: '2020-10-22',
        name: 'onesolution',
        result: 'Not-selected'
      },
      { date: '2020-10-23', name: 'codingmart', result: 'selected' },
      { date: '2020-10-24', name: 'CTS', result: 'Not-selected' },
      { date: '2020-11-10', name: 'infosys', result: 'Not-selected' }
    ]
  },
  {
    _id: ObjectId('660d680ce0f012c0b09f990b'),
    name: 'Student 2',
    placement_drives: [
      { date: '2020-10-01', name: 'zoho', result: 'Not-selected' },
      { date: '2020-10-10', name: 'amazon', result: 'Not-selected' },
      { date: '2020-10-17', name: 'flipkart', result: 'Not-Selected' },
      { date: '2020-10-18', name: 'paypal', result: 'Not-selected' },
      { date: '2020-10-19', name: 'IBM', result: 'Not-selected' },
      { date: '2020-10-20', name: 'snapdeal', result: 'Not-selected' },
      { date: '2020-10-21', name: 'power', result: 'Not-selected' },
      {
        date: '2020-10-22',
        name: 'onesolution',
        result: 'Not-selected'
      },
      {
        date: '2020-10-23',
```

```
      {
        date: '2020-10-23',
        name: 'codingmart',
        result: 'Not-selected'
      },
      { date: '2020-10-24', name: 'CTS', result: 'Not-selected' },
      { date: '2020-11-10', name: 'infosys', result: 'Not-selected' }
    ]
  },
  {
    _id: ObjectId('660d680ce0f012c0b09f990c'),
    name: 'Student 3',
    placement_drives: [
      { date: '2020-10-01', name: 'zoho', result: 'selected' },
      { date: '2020-10-10', name: 'amazon', result: 'Not-selected' },
      { date: '2020-10-17', name: 'flipkart', result: 'Selected' },
      { date: '2020-10-18', name: 'paypal', result: 'selected' },
      { date: '2020-10-19', name: 'IBM', result: 'Not-selected' },
      { date: '2020-10-20', name: 'snapdeal', result: 'Not-selected' },
      { date: '2020-10-21', name: 'power', result: 'Not-selected' },
      { date: '2020-10-22', name: 'onesolution', result: 'selected' },
      { date: '2020-10-23', name: 'codingmart', result: 'selected' },
      { date: '2020-10-24', name: 'CTS', result: 'Not-selected' },
      { date: '2020-11-10', name: 'infosys', result: 'selected' }
    ]
  },
  {
    _id: ObjectId('660d680ce0f012c0b09f990d'),
    name: 'Student 4',
    placement_drives: [
      { date: '2020-10-01', name: 'zoho', result: ' Not-selected' },
      { date: '2020-10-10', name: 'amazon', result: 'Not-selected' },
      { date: '2020-10-17', name: 'flipkart', result: ' Not-Selected' },
      { date: '2020-10-18', name: 'paypal', result: ' Not-selected' },
      { date: '2020-10-19', name: 'IBM', result: 'Not-selected' },
      { date: '2020-10-20', name: 'snapdeal', result: 'Not-selected' },
      { date: '2020-10-21', name: 'power', result: 'Not-selected' },
      {
        date: '2020-10-22',
        name: 'onesolution',
        result: ' Not-selected'
```

```
{
  _id: ObjectId('660d680ce0f012c0b09f990d'),
  name: 'Student 4',
  placement_drives: [
    { date: '2020-10-01', name: 'zoho', result: ' Not-selected' },
    { date: '2020-10-10', name: 'amazon', result: 'Not-selected' },
    { date: '2020-10-17', name: 'flipkart', result: ' Not-Selected' },
    { date: '2020-10-18', name: 'paypal', result: ' Not-selected' },
    { date: '2020-10-19', name: 'IBM', result: 'Not-selected' },
    { date: '2020-10-20', name: 'snapdeal', result: 'Not-selected' },
    { date: '2020-10-21', name: 'power', result: 'Not-selected' },
    {
      date: '2020-10-22',
      name: 'onesolution',
      result: ' Not-selected'
    },
    {
      date: '2020-10-23',
      name: 'codingmart',
      result: ' Not-selected'
    },
    { date: '2020-10-24', name: 'CTS', result: 'Not-selected' },
    { date: '2020-11-10', name: 'infosys', result: ' Not-selected' }
  ]
}
task> |
```

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

Solution: db.ZenClass.find({users : "student"},{placement_drives : 1}).pretty();

```
task> db.ZenClass.find({users : "student"},{placement_drives : 1}).pretty();
[
  {
    _id: ObjectId('660d680ce0f012c0b09f990a'),
    placement_drives: [
      { date: '2020-10-01', name: 'zoho', result: 'Not-selected' },
      { date: '2020-10-10', name: 'amazon', result: 'Not-selected' },
      { date: '2020-10-17', name: 'flipkart', result: 'Selected' },
      { date: '2020-10-18', name: 'paypal', result: 'Not-selected' },
      { date: '2020-10-19', name: 'IBM', result: 'selected' },
      { date: '2020-10-20', name: 'snapdeal', result: 'Not-selected' },
      { date: '2020-10-21', name: 'power', result: 'Not-selected' },
      {
        date: '2020-10-22',
        name: 'onesolution',
        result: 'Not-selected'
      },
      { date: '2020-10-23', name: 'codingmart', result: 'selected' },
      { date: '2020-10-24', name: 'CTS', result: 'Not-selected' },
      { date: '2020-11-10', name: 'infosys', result: 'Not-selected' }
    ]
  },
  {
    _id: ObjectId('660d680ce0f012c0b09f990b'),
    placement_drives: [
      { date: '2020-10-01', name: 'zoho', result: 'Not-selected' },
      { date: '2020-10-10', name: 'amazon', result: 'Not-selected' },
      { date: '2020-10-17', name: 'flipkart', result: 'Not-Selected' },
      { date: '2020-10-18', name: 'paypal', result: 'Not-selected' },
      { date: '2020-10-19', name: 'IBM', result: 'Not-selected' },
      { date: '2020-10-20', name: 'snapdeal', result: 'Not-selected' },
      { date: '2020-10-21', name: 'power', result: 'Not-selected' },
      {
        date: '2020-10-22',
        name: 'onesolution',
        result: 'Not-selected'
      },
      {
        date: '2020-10-23',
        name: 'codingmart',
```

```
    ]
  },
  {
    _id: ObjectId('660d680ce0f012c0b09f990c'),
    placement_drives: [
      { date: '2020-10-01', name: 'zoho', result: 'selected' },
      { date: '2020-10-10', name: 'amazon', result: 'Not-selected' },
      { date: '2020-10-17', name: 'flipkart', result: 'Selected' },
      { date: '2020-10-18', name: 'paypal', result: 'selected' },
      { date: '2020-10-19', name: 'IBM', result: 'Not-selected' },
      { date: '2020-10-20', name: 'snapdeal', result: 'Not-selected' },
      { date: '2020-10-21', name: 'power', result: 'Not-selected' },
      { date: '2020-10-22', name: 'onesolution', result: 'selected' },
      { date: '2020-10-23', name: 'codingmart', result: 'selected' },
      { date: '2020-10-24', name: 'CTS', result: 'Not-selected' },
      { date: '2020-11-10', name: 'infosys', result: 'selected' }
    ]
  },
  {
    _id: ObjectId('660d680ce0f012c0b09f990d'),
    placement_drives: [
      { date: '2020-10-01', name: 'zoho', result: ' Not-selected' },
      { date: '2020-10-10', name: 'amazon', result: 'Not-selected' },
      { date: '2020-10-17', name: 'flipkart', result: ' Not-Selected' },
      { date: '2020-10-18', name: 'paypal', result: ' Not-selected' },
      { date: '2020-10-19', name: 'IBM', result: 'Not-selected' },
      { date: '2020-10-20', name: 'snapdeal', result: 'Not-selected' },
      { date: '2020-10-21', name: 'power', result: 'Not-selected' },
      {
        date: '2020-10-22',
        name: 'onesolution',
        result: ' Not-selected'
      },
      {
        date: '2020-10-23',
        name: 'codingmart',
        result: ' Not-selected'
      },
      { date: '2020-10-24', name: 'CTS', result: 'Not-selected' },
      { date: '2020-11-10', name: 'infosys', result: ' Not-selected' }
    ]
```

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

Solution: db.ZenClass.find({users : "student"},{codekata : 1}).pretty();

```
]
task> db.ZenClass.find({users : "student"},{codekata : 1}).pretty();
[
  { _id: ObjectId('660d680ce0f012c0b09f990a'), codekata: 15 },
  { _id: ObjectId('660d680ce0f012c0b09f990b'), codekata: 50 },
  { _id: ObjectId('660d680ce0f012c0b09f990c'), codekata: 150 },
  { _id: ObjectId('660d680ce0f012c0b09f990d'), codekata: 10 }
]
task> |
```

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

Solution: db.ZenClass.find({ mentee_count: { $gt: 15 } }).pretty();

```
task> db.ZenClass.find({users : "student"},{codekata : 1}).pretty();
[
  { _id: ObjectId('660d680ce0f012c0b09f990a'), codekata: 15 },
  { _id: ObjectId('660d680ce0f012c0b09f990b'), codekata: 50 },
  { _id: ObjectId('660d680ce0f012c0b09f990c'), codekata: 150 },
  { _id: ObjectId('660d680ce0f012c0b09f990d'), codekata: 10 }
]
task> db.ZenClass.find({ mentee_count: { $gt: 15 } }).pretty();
[
  {
    _id: ObjectId('660d680ce0f012c0b09f990e'),
    users: 'mentor',
    name: 'mentor 1',
    codekata: 200,
    skillset: [ 'PHP', 'HTML', 'JS', 'REACT JS' ],
    mentee_count: 30,
    feedback: [
      { name: 'Student 1', rating: 3 },
      { name: 'Student 2', rating: 5 },
      { name: 'Student 3', rating: 4 },
      { name: 'Student 4', rating: 3.5 }
    ]
  }
]
task> |
```

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

    Solution: db.ZenClass.find({users : "students"},{attendance :{ $elemMatch : {status :
    "A"}}},{task : { $eq : { task : "false" }}}).pretty();

```
task> db.ZenClass.find({users : "student"},{attendance :{ $elemMatch : {status : "A"}}},{task : { $eq : { task : "false" }}}).pretty();
[
  {
    _id: ObjectId('660d680ce0f012c0b09f990a'),
    attendance: [ { date: '2020-10-21', status: 'A' } ]
  },
  { _id: ObjectId('660d680ce0f012c0b09f990b') },
  { _id: ObjectId('660d680ce0f012c0b09f990c') },
  {
    _id: ObjectId('660d680ce0f012c0b09f990d'),
    attendance: [ { date: '2020-10-22', status: 'A' } ]
  }
]
task>
```