

```
> db.topics.find({month: "october"}).pretty()
{
  "_id" : ObjectId("65a912d2d0083ee2551d92ce"),
  "month" : "october",
  "day_Topics" : [
    {
      "day" : 1,
      "contents" : "What is HTML?"
    },
    {
      "day" : 2,
      "contents" : "HTML tags lists."
    },
    {
      "day" : 3,
      "contents" : "Why HTML?"
    },
    {
      "day" : 4,
      "contents" : "HTML older versions and HTML 5."
    },
    {
      "day" : 5,
      "contents" : "HTML & CSS."
    },
    {
      "day" : 6,
      "contents" : "CSS Pesudo."
    },
    {
      "day" : 7,
      "contents" : "CSS & Bootstrap."
    },
    {
      "day" : 8,
      "contents" : "Create basic web page using HTML, CSS with bootstrap."
    },
    {
      "day" : 9,
      "contents" : "Basic concepts discussion day-1."
    },
    {
      "day" : 10,
      "contents" : "Basic concepts discussion day-2."
    },
    {
      "day" : 11,
      "contents" : "Make your own project using HTML, CSS."
    },
    {
      "day" : 12,
```

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

topics results of 'october' page 1

```
{
  "day" : 13,
  "contents" : "Java Script, HTML and CSS for complete web page."
},
{
  "day" : 14,
  "contents" : "Java Script Array destructure."
},
{
  "day" : 15,
  "contents" : "Java Script for loop, for each, for in, for of methods."
},
{
  "day" : 16,
  "contents" : "java script map method."
},
{
  "day" : 17,
  "contents" : "Java Script fetch (async & await) function."
},
{
  "day" : 18,
  "contents" : "Java Script total discussion day-1."
},
{
  "day" : 19,
  "contents" : "Java Script total discussion day-2."
},
{
  "day" : 20,
  "contents" : "Make your own project using HTML, jaa Script & CSS."
},
{
  "day" : 21,
  "contents" : "Make your own web page using HTML, jaa Script & CSS."
},
{
  "day" : 22,
  "contents" : "Doubt clarifications session day-1."
},
{
  "day" : 23,
  "contents" : "Doubt clarifications session day-2."
},
{
  "day" : 24,
  "contents" : "General Discussions day-1."
},
{
  "day" : 25,
  "contents" : "General Discussions day-2."
}
}
```

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

topics of 'october' result page 2



Type here to search



29°C Sunny

ENG

13:08
22-01-2024



```
}
]
}
> db.tasks.find({month: "october"}).pretty()
{
  "_id" : ObjectId("65ae0856f1c1d14e8649164e"),
  "month" : "october",
  "task" : [
    {
      "id" : 1,
      "task_day" : 5.1,
      "date" : "05/10/2020",
      "title" : "HTML tags task",
      "details" : "h1,h2,h3,h4,h5,h6 & p, span, and related tags for basic web page."
    },
    {
      "id" : 2,
      "task_day" : 7.1,
      "date" : "07/10/2020",
      "title" : "HTML input field task",
      "details" : "create a basic web page which includes student details input fields like (name, DOB, contact, course).\"
    },
    {
      "id" : 3,
      "task_day" : 9.1,
      "date" : "09/10/2020",
      "title" : "Create a basic google form",
      "details" : "The form must in basic web page and have select options, dropdown options and check box options and circle options.\"
    },
    {
      "id" : 4,
      "task_day" : 12.1,
      "date" : "12/10/2020",
      "title" : "Create a mobile shop web page",
      "details" : "This web page should be in reponsive design, you can use bootstrap..\"
    },
    {
      "id" : 5,
      "task_day" : 15.1,
      "date" : "15/10/2020",
      "title" : "DOM",
      "details" : "Create a basic web page using DOM.\"
    },
    {
      "id" : 6,
      "task_day" : 19.1,
      "date" : "19/10/2020",
      "title" : "Fetch API",
      "details" : "Create a basic web page about weather data and for data collect from rest countries using fetch.\"
    },
    {
      "id" : 7,
```

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

task details of 'october' page 1

```
},
{
  "id" : 5,
  "task_day" : 15.1,
  "date" : "15/10/2020",
  "title" : "DOM",
  "details" : "Create a basic web page using DOM."
},
{
  "id" : 6,
  "task_day" : 19.1,
  "date" : "19/10/2020",
  "title" : "Fetch API",
  "details" : "Create a basic web page about weather data and for data collect from rest countries using fetch."
},
{
  "id" : 7,
  "task_day" : 26.1,
  "date" : "26/10/2020",
  "title" : "HTML, JAVA SCRIPT",
  "details" : "A input field details must store in card format in the basic web page."
},
{
  "id" : 8,
  "task_day" : 28.1,
  "date" : "28/10/2020",
  "title" : "Create your own web page",
  "details" : "Develop your own web page."
},
{
  "id" : 9,
  "task_day" : 31.1,
  "date" : "31/10/2020",
  "title" : "Create a web page like guvi zen class",
  "details" : "You can create this web page using your own ideas, the output should be similar to guvi zen class."
}
]
```

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

task details of 'october' result page 2



Type here to search



29°C Sunny

ENG

13:14
22-01-2024



```
]
> db.company_drives.insertMany(
...   [
...     {
...       month: "october",
...       details:
...       [
...         {
...           comapany: "HCL",
...           position: "Front End Developer",
...           day: 12.10,
...           interview_date: "12/10/2020",
...           total_Hired: 12,
...           total_Interviewed: 36
...         },
...         {
...           comapany: "HCL",
...           position: "Back End Developer",
...           day: 15.10,
...           interview_date: "15/10/2020",
...           total_Hired: 20,
...           total_Interviewed: 36
...         },
...         {
...           comapany: "TCL",
...           position: "Back End Developer",
...           day: 19.10,
...           interview_date: "19/10/2020",
...           total_Hired: 22,
...           total_Interviewed: 45
...         },
...         {
...           comapany: "GUVI",
...           position: "Software Engineer",
...           day: 22.10,
...           interview_date: "22/10/2020",
...           total_Hired: 2,
...           total_Interviewed: 8
...         },
...         {
...           comapany: "Wipro",
...           position: "Software Engineer",
...           day: 26.10,
...           interview_date: "26/10/2020",
...           total_Hired: 4,
...           total_Interviewed: 16
...         },
...         {
...           comapany: "HCL",
...           position: "Data Scientists",
...           day: 29.10,
...           interview_date: "29/10/2020",
...         }
...       ]
...     }
...   ]
... )
```

company drives details
inserted details page 1




```

...   },
...   {
...     comapany: "HCL",
...     position: "Data Scientists",
...     day: 29.10,
...     interview_date: "29/10/2020",
...     total_Hired: 3,
...     total_Interviewed: 9
...   },
...   {
...     comapany: "RBL",
...     position: "Software Developer",
...     day: 30.10,
...     interview_date: "30/10/2020",
...     total_Hired: 6,
...     total_Interviewed: 22
...   },
...   {
...     comapany: "Infotech",
...     position: " UI & UX Designeer",
...     day: 31.10,
...     interview_date: "31/10/2020",
...     total_Hired: 8,
...     total_Interviewed: 40
...   }
... ],
... {month: "november",
...   details:
...   [
...     {
...       comapany: "HCL",
...       position: "Project Manager",
...       day: 4.11,
...       interview_date: "4/11/2020",
...       total_Hired: 1,
...       total_Interviewed: 6
...     }
...   ]
... }
... ]
... )
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("65ae1f9b9e3639352c5be3b2"),
    ObjectId("65ae1f9b9e3639352c5be3b3")
  ]
}
>

```

company drive details inserted page 2 and id created



```
... }  
  }  
> db.codekata.find().pretty()  
{  
  "_id" : ObjectId("65a95d6241ee6ba45fb6fa2e"),  
  "batch_B51_WD1" : [  
    {  
      "student_id" : 1,  
      "codekata_completed" : "60%",  
      "batch" : "B51 WD1"  
    },  
    {  
      "student_id" : 2,  
      "codekata_completed" : "68%",  
      "batch" : "B51 WD1"  
    },  
    {  
      "student_id" : 3,  
      "codekata_completed" : "56%",  
      "batch" : "B51 WD1"  
    },  
    {  
      "student_id" : 4,  
      "codekata_completed" : "42%",  
      "batch" : "B51 WD1"  
    },  
    {  
      "student_id" : 5,  
      "codekata_completed" : "69%",  
      "batch" : "B51 WD1"  
    },  
    {  
      "student_id" : 6,  
      "codekata_completed" : "72%",  
      "batch" : "B51 WD1"  
    },  
    {  
      "student_id" : 7,  
      "codekata_completed" : "75%",  
      "batch" : "B51 WD1"  
    }  
  ]  
},  
  "_id" : ObjectId("65a95d6241ee6ba45fb6fa2f"),  
  "batch_B52_WD" : [  
    {  
      "student_id" : 1,  
      "codekata_completed" : "79%",  
      "batch" : "B52 WD2"  
    },  
  ]  
}
```

Find the number of problems solved by the user in codekata
results page 1

```
{
  "_id" : ObjectId("65a95d6241ee6ba45fb6fa2f"),
  "batch_B52_WD" : [
    {
      "student_id" : 1,
      "codekata_completed" : "79%",
      "batch" : "B52 WD2"
    },
    {
      "student_id" : 2,
      "codekata_completed" : "82%",
      "batch" : "B52 WD2"
    },
    {
      "student_id" : 3,
      "codekata_completed" : "46%",
      "batch" : "B52 WD2"
    },
    {
      "student_id" : 4,
      "codekata_completed" : "52%",
      "batch" : "B52 WD2"
    },
    {
      "student_id" : 5,
      "codekata_completed" : "61%",
      "batch" : "B52 WD2"
    },
    {
      "student_id" : 6,
      "codekata_completed" : "89%",
      "batch" : "B52 WD2"
    }
  ]
},
{
  "_id" : ObjectId("65a95d6241ee6ba45fb6fa30"),
  "batch_B53_WD2" : [
    {
      "student_id" : 1,
      "codekata_completed" : "92%",
      "batch" : "B53 WD2"
    },
    {
      "student_id" : 2,
      "codekata_completed" : "72%",
      "batch" : "B53 WD2"
    },
    {
      "student_id" : 3,
      "codekata_completed" : "74%",
      "batch" : "B53 WD2"
    }
  ]
}
```

Find the number of problems solved by the user in
codekata

results page 2


```
{
  "_id" : ObjectId("65a95d6241ee6ba45fb6fa30"),
  "batch_B53_WD2" : [
    {
      "student_id" : 1,
      "codekata_completed" : "92%",
      "batch" : "B53 WD2"
    },
    {
      "student_id" : 2,
      "codekata_completed" : "72%",
      "batch" : "B53 WD2"
    },
    {
      "student_id" : 3,
      "codekata_completed" : "74%",
      "batch" : "B53 WD2"
    },
    {
      "student_id" : 4,
      "codekata_completed" : "53%",
      "batch" : "B53 WD2"
    },
    {
      "student_id" : 5,
      "codekata_completed" : "59%",
      "batch" : "B53 WD2"
    },
    {
      "student_id" : 6,
      "codekata_completed" : "77%",
      "batch" : "B53 WD2"
    }
  ]
},
{
  "_id" : ObjectId("65a95d6241ee6ba45fb6fa31"),
  "batch_B52_WD4" : [
    {
      "student_id" : 1,
      "codekata_completed" : "63%",
      "batch" : "B52 WD4"
    },
    {
      "student_id" : 2,
      "codekata_completed" : "60%",
      "batch" : "B52 WD4"
    },
    {
      "student_id" : 3,
      "codekata_completed" : "62%",
      "batch" : "B52 WD4"
    }
  ]
}
```

Find the number of problems solved by the user in
codekata

results page 3

```
    },
    {
      "student_id" : 4,
      "codekata_completed" : "68%",
      "batch" : "B52 WD4"
    },
    {
      "student_id" : 5,
      "codekata_completed" : "59%",
      "batch" : "B52 WD4"
    },
    {
      "student_id" : 6,
      "codekata_completed" : "48%",
      "batch" : "B52 WD4"
    }
  ]
}

_id" : ObjectId("65a95d6241ee6ba45fb6fa32"),
"batch_B52_WD3" : [
  {
    "student_id" : 1,
    "codekata_completed" : "57%",
    "batch" : "B52 WD3"
  },
  {
    "student_id" : 2,
    "codekata_completed" : "63%",
    "batch" : "B52 WD3"
  },
  {
    "student_id" : 3,
    "codekata_completed" : "68%",
    "batch" : "B52 WD3"
  },
  {
    "student_id" : 4,
    "codekata_completed" : "74%",
    "batch" : "B52 WD3"
  },
  {
    "student_id" : 5,
    "codekata_completed" : "79%",
    "batch" : "B52 WD3"
  },
  {
    "student_id" : 6,
    "codekata_completed" : "82%",
    "batch" : "B52 WD3"
  }
]
```

Find the number of problems solved by the user in
codekata

results page 4

```
    },
    {
      "student_id" : 6,
      "codekata_completed" : "82%",
      "batch" : "B52 WD3"
    }
  ]
}
{
  "_id" : ObjectId("65a95d6241ee6ba45fb6fa33"),
  "batch_B53_WD3" : [
    {
      "student_id" : 1,
      "codekata_completed" : "70%",
      "batch" : "B53 WD3"
    },
    {
      "student_id" : 2,
      "codekata_completed" : "80%",
      "batch" : "B53 WD3"
    },
    {
      "student_id" : 3,
      "codekata_completed" : "59%",
      "batch" : "B53 WD3"
    },
    {
      "student_id" : 4,
      "codekata_completed" : "72%",
      "batch" : "B53 WD3"
    },
    {
      "student_id" : 5,
      "codekata_completed" : "77%",
      "batch" : "B53 WD3"
    },
    {
      "student_id" : 6,
      "codekata_completed" : "59%",
      "batch" : "B53 WD3"
    }
  ]
}
```

Find the number of problems solved by the user in
codekata

results page 5

```
db.mentors.aggregate([
  {
    $unwind: "$batch"
  },
  {
    $match: {
      "batch.mentees_count": { $gte: 15}
    }
  },
  {
    $group: {
      _id: {
        mentor_id: "$id",
        mentor_name: "$name"
      },
      batches: {$push: "$batch"}
    }
  },
  {
    $sort: {
      "_id.mentor_id": 1
    }
  }
]).pretty()
```

```
{
  "_id" : {
    "mentor_id" : 1,
    "mentor_name" : "Sanjay"
  },
  "batches" : [
    {
      "batch_code" : "B51 WD1",
      "language" : "English",
      "timing" : "8am to 10am",
      "mentees_count" : 20
    },
    {
      "batch_code" : "B52 WD4",
      "language" : "Tamil",
      "timing" : "11pm to 1pm",
      "mentees_count" : 24
    }
  ]
},
{
  "_id" : {
    "mentor_id" : 2,
    "mentor_name" : "Arun"
  },
  "batches" : [
```

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

result page 1

```
}
]
}
{
  "_id" : {
    "mentor_id" : 2,
    "mentor_name" : "Arun"
  },
  "batches" : [
    {
      "batch_code" : "B53 WD2",
      "language" : "English",
      "timing" : "12pm to 3pm",
      "mentees_count" : 32
    }
  ]
}
{
  "_id" : {
    "mentor_id" : 3,
    "mentor_name" : "Arthi"
  },
  "batches" : [
    {
      "batch_code" : "B52 WD3",
      "language" : "Tamil",
      "timing" : "8am to 10am",
      "mentees_count" : 28
    },
    {
      "batch_code" : "B52 WD3",
      "language" : "Tamil",
      "timing" : "6pm to 9pm",
      "mentees_count" : 19
    }
  ]
}
}
```

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

results page 2

please note we have mentees count 14 in Menter Mr. Arun, but here we got results only 15 and above results.



Type here to search



29°C Mostly cloudy

ENG

18:55
22-01-2024




```
"name" : "Sanjay",
"batch" : [
  {
    "batch_code" : "B51 WD1",
    "language" : "English",
    "timing" : "8am to 10am",
    "mentees_count" : 20
  },
  {
    "batch_code" : "B52 WD4",
    "language" : "Tamil",
    "timing" : "11pm to 1pm",
    "mentees_count" : 24
  }
]
```

```
{
  "_id" : ObjectId("65a962fb41ee6ba45fb6fa3b"),
  "id" : 2,
  "name" : "Arun",
  "batch" : [
    {
      "batch_code" : "B52 WD2",
      "language" : "English",
      "timing" : "8am to 10am",
      "mentees_count" : 14
    },
    {
      "batch_code" : "B53 WD2",
      "language" : "English",
      "timing" : "12pm to 3pm",
      "mentees_count" : 32
    }
  ]
}
```

```
{
  "_id" : ObjectId("65a962fb41ee6ba45fb6fa3c"),
  "id" : 3,
  "name" : "Arthi",
  "batch" : [
    {
      "batch_code" : "B52 WD3",
      "language" : "Tamil",
      "timing" : "8am to 10am",
      "mentees_count" : 28
    },
    {
      "batch_code" : "B52 WD3",
      "language" : "Tamil",
      "timing" : "6pm to 9pm",
      "mentees_count" : 19
    }
  ]
}
```

Please note we have
mentees count 14

we got result 15 and above

```
> db.company_drives.insertMany({
```

```
...   [
...     {month: "october",
...       details:
...       [
...         {
...           company: "HCL",
...           position: "Front End Developer",
...           day: 12.10,
...           interview_date: "12/10/2020",
...           total_Hired: 12,
...           total_Interviewed: 36
...         },
...         {
...           company: "HCL",
...           position: "Back End Developer",
...           day: 15.10,
...           interview_date: "15/10/2020",
...           total_Hired: 20,
...           total_Interviewed: 36
...         },
...         {
...           company: "TCL",
...           position: "Back End Developer",
...           day: 19.10,
...           interview_date: "19/10/2020",
...           total_Hired: 22,
...           total_Interviewed: 45
...         },
...         {
...           company: "GUVI",
...           position: "Software Engineer",
...           day: 22.10,
...           interview_date: "22/10/2020",
...           total_Hired: 2,
...           total_Interviewed: 8
...         },
...         {
...           company: "Wipro",
...           position: "Software Engineer",
...           day: 26.10,
...           interview_date: "26/10/2020",
...           total_Hired: 4,
...           total_Interviewed: 16
...         },
...         {
...           company: "HCL",
...           position: "Data Scientists",
...           day: 29.10,
...           interview_date: "29/10/2020",
...           total_Hired: 3,
```

company drive details inserted page 1

```
...     total_Hired: 4,
...     total_Interviewed: 16
...   },
...   {
...     company: "HCL",
...     position: "Data Scientists",
...     day: 29.10,
...     interview_date: "29/10/2020",
...     total_Hired: 3,
...     total_Interviewed: 9
...   },
...   {
...     company: "RBL",
...     position: "Software Developer",
...     day: 30.10,
...     interview_date: "30/10/2020",
...     total_Hired: 6,
...     total_Interviewed: 22
...   },
...   {
...     company: "Infotech",
...     position: " UI & UX Designeer",
...     day: 31.10,
...     interview_date: "31/10/2020",
...     total_Hired: 8,
...     total_Interviewed: 40
...   }
... ],
...   {month: "november",
...     details:
...     [
...       {
...         company: "HCL",
...         position: "Project Manager",
...         day: 4.11,
...         interview_date: "4/11/2020",
...         total_Hired: 1,
...         total_Interviewed: 6
...       }
...     ]
...   }
... ]
... )
... {
...   "acknowledged" : true,
...   "insertedIds" : [
...     ObjectId("65ae76f284e3883e178a022f"),
...     ObjectId("65ae76f284e3883e178a0230")
...   ]
... }
```

company drive details inserted page 2

```
> db.company_drives.aggregate([
...
...   {
...     $match: {month: "october"}
...   },
...   {
...     $unwind: "$details"
...   },
...   {
...     $match: {
...       $or: [
...         {
...           "details.day": {$gte: 15, $lte: 31.10}
...         },
...         {
...           "details.interview_date": {$gte: "15/10/2020", $lte: "31/10/2020"}
...         }
...       ]
...     }
...   },
...   {
...     $project: {
...       _id:0,
...       month: "$month",
...       company: "$details.company",
...       position: "$details.position",
...       day: "$details.day",
...       interview_date: "$details.interview_date",
...       total_Hired: "$details.total_Hired",
...       total_Interviewed: "$details.total_Interviewed"
...     }
...   }
... ]).pretty()
{
  "month" : "october",
  "company" : "HCL",
  "position" : "Back End Developer",
  "day" : 15.1,
  "interview_date" : "15/10/2020",
  "total_Hired" : 20,
  "total_Interviewed" : 36
}
{
  "month" : "october",
  "company" : "TCL",
  "position" : "Back End Developer",
  "day" : 19.1,
  "interview_date" : "19/10/2020",
  "total_Hired" : 22,
  "total_Interviewed" : 45
}
```

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

details page 1

```
"company" : "TCL",  
"position" : "Back End Developer",  
"day" : 19.1,  
"interview_date" : "19/10/2020",  
"total_Hired" : 22,  
"total_Interviewed" : 45
```

```
"month" : "october",  
"company" : "GUVI",  
"position" : "Software Engineer",  
"day" : 22.1,  
"interview_date" : "22/10/2020",  
"total_Hired" : 2,  
"total_Interviewed" : 8
```

```
"month" : "october",  
"company" : "Wipro",  
"position" : "Software Engineer",  
"day" : 26.1,  
"interview_date" : "26/10/2020",  
"total_Hired" : 4,  
"total_Interviewed" : 16
```

```
"month" : "october",  
"company" : "HCL",  
"position" : "Data Scientists",  
"day" : 29.1,  
"interview_date" : "29/10/2020",  
"total_Hired" : 3,  
"total_Interviewed" : 9
```

```
"month" : "october",  
"company" : "RBL",  
"position" : "Software Developer",  
"day" : 30.1,  
"interview_date" : "30/10/2020",  
"total_Hired" : 6,  
"total_Interviewed" : 22
```

```
"month" : "october",  
"company" : "Infotech",  
"position" : "UI & UX Designeer",  
"day" : 31.1,  
"interview_date" : "31/10/2020",  
"total_Hired" : 8,  
"total_Interviewed" : 40
```

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

results page 2

students details inserted
page 1

```
... },
... {
...   not_Appeared:
...   [
...     {
...       id: 1,
...       student_name: "Ajay",
...       status: "Not Appeared"
...     },
...     {
...       id: 2,
...       student_name: "Albert",
...       status: "Not Appeared"
...     },
...     {
...       id: 3,
...       student_name: "Anbalagan",
...       status: "Not Appeared"
...     },
...     {
...       id: 4,
...       student_name: "Charless",
...       status: "Not Appeared"
...     },
...     {
...       id: 5,
...       student_name: "Dawood",
...       status: "Not Appeared"
...     },
...     {
...       id: 6,
...       student_name: "Hemalatha",
...       status: "Not Appeared"
...     }
...   ]
... }
... ]
... {
...   "acknowledged" : true,
...   "insertedIds" : [
...     ObjectId("65ae7d8684e3883e178a0231"),
...     ObjectId("65ae7d8684e3883e178a0232")
...   ]
... }
>
```

students details inserted
page 2



```
> db.students.aggregate([
...   {
...     $project: {
...       _id: 0,
...       appeared: {
...         $map: {
...           input: "$appeared",
...           as: "app",
...           in: {
...             type: "appeared",
...             id: "$$app.id",
...             student_name: "$$app.student_name",
...             status: "$$app.status"
...           }
...         }
...       }
...     },
...     {
...       $unwind: {
...         path: "$appeared",
...         preserveNullAndEmptyArrays: true
...       }
...     },
...     {
...       $match: {
...         "appeared.type": "appeared"
...       }
...     },
...     {
...       $project: {
...         type: "$appeared.type",
...         id: "$appeared.id",
...         student_name: "$appeared.student_name",
...         status: "$appeared.status"
...       }
...     }
...   ]
... ).pretty()
```

```
{
  "type" : "appeared",
  "id" : 1,
  "student_name" : "Aswin",
  "status" : "selected"
}
```

```
{
  "type" : "appeared",
  "id" : 2,
  "student_name" : "Babu",
  "status" : "selected"
}
```

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

results page 1

```
... ]).pretty()
{
  "type" : "appeared",
  "id" : 1,
  "student_name" : "Aswin",
  "status" : "selected"
}
{
  "type" : "appeared",
  "id" : 2,
  "student_name" : "Babu",
  "status" : "selected"
}
{
  "type" : "appeared",
  "id" : 3,
  "student_name" : "Basa",
  "status" : "selected"
}
{
  "type" : "appeared",
  "id" : 4,
  "student_name" : "Chandru",
  "status" : "selected"
}
{
  "type" : "appeared",
  "id" : 5,
  "student_name" : "Dinesh",
  "status" : "selected"
}
{
  "type" : "appeared",
  "id" : 6,
  "student_name" : "Eswar",
  "status" : "selected"
}
{
  "type" : "appeared",
  "id" : 7,
  "student_name" : "Fasil",
  "status" : "selected"
}
{
  "type" : "appeared",
  "id" : 8,
  "student_name" : "Gopal",
  "status" : "Re-Interview"
}
>
```

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

results page 2



Type here to search



28°C Partly cloudy

ENG

21:46
22-01-2024



C:\Windows\System32\cmd.exe - mongo

> db.topics.find({month: "october"}).pretty()

```
{
  "_id" : ObjectId("65a912d2d0083ee2551d92ce"),
  "month" : "october",
  "day_Topics" : [
    {
      "day" : 1,
      "contents" : "What is HTML?"
    },
    {
      "day" : 2,
      "contents" : "HTML tags lists."
    },
    {
      "day" : 3,
      "contents" : "Why HTML?"
    },
    {
      "day" : 4,
      "contents" : "HTML older versions and HTML 5."
    },
    {
      "day" : 5,
      "contents" : "HTML & CSS."
    },
    {
      "day" : 6,
      "contents" : "CSS Pesudo."
    },
    {
      "day" : 7,
      "contents" : "CSS & Bootstrap."
    },
    {
      "day" : 8,
      "contents" : "Create basic web page using HTML, CSS with bootstrap."
    },
    {
      "day" : 9,
      "contents" : "Basic concepts discussion day-1."
    },
    {
      "day" : 10,
      "contents" : "Basic concepts discussion day-2."
    },
    {
      "day" : 11,
      "contents" : "Make your own project using HTML, CSS."
    },
    {
      "day" : 12,
      "contents" : "Java Script basic."
    }
  ]
}
```

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

result of topics in october month page 1


```
    "day" : 13,  
    "contents" : "Java Script, HTML and CSS for complete web page."  
  },  
  {  
    "day" : 14,  
    "contents" : "Java Script Array destructure."  
  },  
  {  
    "day" : 15,  
    "contents" : "Java Script for loop, for each, for in, for of methods."  
  },  
  {  
    "day" : 16,  
    "contents" : "java script map method."  
  },  
  {  
    "day" : 17,  
    "contents" : "Java Script fetch (async & await) function."  
  },  
  {  
    "day" : 18,  
    "contents" : "Java Script total discussion day-1."  
  },  
  {  
    "day" : 19,  
    "contents" : "Java Script total discussion day-2."  
  },  
  {  
    "day" : 20,  
    "contents" : "Make your own project using HTML, jaa Script & CSS."  
  },  
  {  
    "day" : 21,  
    "contents" : "Make your own web page using HTML, jaa Script & CSS."  
  },  
  {  
    "day" : 22,  
    "contents" : "Doubt clarifications session day-1."  
  },  
  {  
    "day" : 23,  
    "contents" : "Doubt clarifications session day-2."  
  },  
  {  
    "day" : 24,  
    "contents" : "General Discussions day-1."  
  },  
  {  
    "day" : 25,  
    "contents" : "General Discussions day-2."  
  }  
}
```

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

result of topics in october month page 2

```
> db.tasks.find({month: "october"}).pretty()
```

```
{
  "_id" : ObjectId("65ae0856f1c1d14e8649164e"),
  "month" : "october",
  "task" : [
    {
      "id" : 1,
      "task_day" : 5.1,
      "date" : "05/10/2020",
      "title" : "HTML tags task",
      "details" : "h1,h2,h3,h4,h5,h6 & p, span, and related tags for basic web page."
    },
    {
      "id" : 2,
      "task_day" : 7.1,
      "date" : "07/10/2020",
      "title" : "HTML input field task",
      "details" : "create a basic web page which includes student details input fields like (name, DOB, contact, course)."
    },
    {
      "id" : 3,
      "task_day" : 9.1,
      "date" : "09/10/2020",
      "title" : "Create a basic google form",
      "details" : "The form must in basic web page and have select options, dropdown options and check box options and circle options."
    },
    {
      "id" : 4,
      "task_day" : 12.1,
      "date" : "12/10/2020",
      "title" : "Create a mobile shop web page",
      "details" : "This web page should be in reponsive design, you can use bootstrap.."
    },
    {
      "id" : 5,
      "task_day" : 15.1,
      "date" : "15/10/2020",
      "title" : "DOM",
      "details" : "Create a basic web page using DOM."
    },
    {
      "id" : 6,
      "task_day" : 19.1,
      "date" : "19/10/2020",
      "title" : "Fetch API",
      "details" : "Create a basic web page about weather data and for data collect from rest countries using fetch."
    },
    {
      "id" : 7,
      "task_day" : 26.1,
      "date" : "26/10/2020",

```

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

result of tasks in october month page 1



Type here to search



31°C Sunny

ENG

13:56
24-01-2024



```
{
  "date" : "12/10/2020",
  "title" : "Create a mobile shop web page",
  "details" : "This web page should be in reponsive design, you can use bootstrap..",
},
{
  "id" : 5,
  "task_day" : 15.1,
  "date" : "15/10/2020",
  "title" : "DOM",
  "details" : "Create a basic web page using DOM."
},
{
  "id" : 6,
  "task_day" : 19.1,
  "date" : "19/10/2020",
  "title" : "Fetch API",
  "details" : "Create a basic web page about weather data and for data collect from rest countries using fetch."
},
{
  "id" : 7,
  "task_day" : 26.1,
  "date" : "26/10/2020",
  "title" : "HTML, JAVA SCRIPT",
  "details" : "A input field details must store in card format in the basic web page."
},
{
  "id" : 8,
  "task_day" : 28.1,
  "date" : "28/10/2020",
  "title" : "Create your own web page",
  "details" : "Develop your own web page."
},
{
  "id" : 9,
  "task_day" : 31.1,
  "date" : "31/10/2020",
  "title" : "Create a web page like guvi zen class",
  "details" : "You can create this web page using your own ideas, the output should be similar to guvi zen class."
}
}
```

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

result of tasks in october month page 2



C:\Windows\System32\cmd.exe - mongo

```
> db.attendance.aggregate([
...   {
...     $unwind: "$batch_B52_WD2"
...   },
...   {
...     $match: {
...       "batch_B52_WD2.absent_Date": { $gte: "15/10/2020", $lte: "31/10/2020"}
...     }
...   },
...   {
...     $group: {
...       _id: {
...         student_id: "$student_id",
...         student_name: "$student_name"
...       },
...       absent_details: {
...         $push: "$batch_B52_WD2"
...       }
...     }
...   },
...   {
...     $sort: {
...       "_id.mentor_id": 1
...     }
...   }
... ]).pretty()
{
  "_id" : {
    },
    "absent_details" : [
      {
        "student_id" : 2,
        "student_Name" : "Ajay",
        "present_counts" : 23,
        "absent_Date" : "18/10/2020",
        "absent_counts" : 1
      },
      {
        "student_id" : 3,
        "student_Name" : "Albert",
        "present_counts" : 23,
        "absent_Date" : "20/10/2020",
        "absent_counts" : 1
      },
      {
        "student_id" : 5,
        "student_Name" : "Ajay",
        "present_counts" : 23,
        "absent_Date" : "21/10/2020",
        "absent_counts" : 1
      }
    ]
  }
}
```

Find the number of users who are absent between
15 oct-2020 and 31-oct-2020

results for batch B52 WD2

Please note this is for once batch, another way
we got all batch absent details

```
> db.attendance.aggregate([
...   {
...     $project: {
...       batches: {
...         $objectToArray: "$$ROOT"
...       }
...     },
...     $unwind: "$batches"
...   },
...   {
...     $unwind: "$batches.v"
...   },
...   {
...     $match: {
...       "batches.v.absent_Date": { $gte: "15/10/2020", $lte: "31/10/2020" }
...     }
...   },
...   {
...     $group: {
...       _id: {
...         batch: "$batches.k",
...         student_id: "$batches.v.student_id",
...         student_name: "$batches.v.student_Name"
...       },
...       absent_details: {
...         $push: {
...           absent_counts: "$batches.v.absent_counts",
...           absent_Date: "$batches.v.absent_Date"
...         }
...       }
...     }
...   },
...   {
...     $sort: {
...       "_id.batch": 1,
...       "_id.student_id": 1
...     }
...   }
... ]).pretty()
```

Find the number of users who are absent between
15 oct-2020 and 31-oct-2020

All batch absent details result page 1

```
"_id" : {
  "batch" : "batch_B51_WD1",
  "student_id" : 2,
  "student_name" : "Aaparna"
},
"absent_details" : [
  {
    "absent_counts" : 1,
    "absent_Date" : "15/10/2020"
```



$$\left. \begin{array}{l} \} \\ \{ \end{array} \right\}$$

All batch absent details result page 2

```
{
  "_id" : {
    "batch" : "batch_B52_WD2",
    "student_id" : 3,
    "student_name" : "Albert"
  },
  "absent_details" : [
    {
      "absent_counts" : 1,
      "absent_Date" : "20/10/2020"
    }
  ]
}
{
  "_id" : {
    "batch" : "batch_B52_WD2",
    "student_id" : 5,
    "student_name" : "Ajay"
  },
  "absent_details" : [
    {
      "absent_counts" : 1,
      "absent_Date" : "21/10/2020"
    }
  ]
}
{
  "_id" : {
    "batch" : "batch_B52_WD2",
    "student_id" : 6,
    "student_name" : "Basha"
  },
  "absent_details" : [
    {
      "absent_counts" : 2,
      "absent_Date" : "21/10/2020 to 22/10/2020"
    }
  ]
}
{
  "_id" : {
    "batch" : "batch_B52_WD3",
    "student_id" : 1,
    "student_name" : "Arjun"
  },
  "absent_details" : [
    {
      "absent_counts" : 1,
      "absent_Date" : "24/10/2020"
    }
  ]
}
```

Find the number of users who are absent between
15 oct-2020 and 31-oct-2020

All batch absent details result page 3



Type here to search



31°C Mostly cloudy

ENG

17:51
24-01-2024



```
{
  "_id" : {
    "batch" : "batch_B52_WD3",
    "student_id" : 3,
    "student_name" : "China"
  },
  "absent_details" : [
    {
      "absent_counts" : 1,
      "absent_Date" : "15/10/2020"
    }
  ]
},
{
  "_id" : {
    "batch" : "batch_B52_WD3",
    "student_id" : 5,
    "student_name" : "Jackal"
  },
  "absent_details" : [
    {
      "absent_counts" : 1,
      "absent_Date" : "19/10/2020"
    }
  ]
},
{
  "_id" : {
    "batch" : "batch_B52_WD3",
    "student_id" : 6,
    "student_name" : "Kumar"
  },
  "absent_details" : [
    {
      "absent_counts" : 1,
      "absent_Date" : "22/10/2020"
    }
  ]
},
{
  "_id" : {
    "batch" : "batch_B52_WD4",
    "student_id" : 3,
    "student_name" : "Cinderla"
  },
  "absent_details" : [
    {
      "absent_counts" : 1,
      "absent_Date" : "15/10/2020"
    }
  ]
}
```

Find the number of users who are absent between
15 oct-2020 and 31-oct-2020

All batch absent details result page 4



Type here to search



31°C Mostly cloudy

ENG

17:53
24-01-2024



```
{
  "_id" : {
    "batch" : "batch_B52_WD4",
    "student_id" : 5,
    "student_name" : "Hemalahta"
  },
  "absent_details" : [
    {
      "absent_counts" : 1,
      "absent_Date" : "28/10/2020"
    }
  ]
}
{
  "_id" : {
    "batch" : "batch_B52_WD4",
    "student_id" : 6,
    "student_name" : "Imann"
  },
  "absent_details" : [
    {
      "absent_counts" : 1,
      "absent_Date" : "30/10/2020"
    }
  ]
}
{
  "_id" : {
    "batch" : "batch_B53_WD2",
    "student_id" : 3,
    "student_name" : "Charless"
  },
  "absent_details" : [
    {
      "absent_counts" : 2,
      "absent_Date" : "16/10/2020 to 17/10/2020"
    }
  ]
}
{
  "_id" : {
    "batch" : "batch_B53_WD2",
    "student_id" : 4,
    "student_name" : "Dawood"
  },
  "absent_details" : [
    {
      "absent_counts" : 1,
      "absent_Date" : "16/10/2020"
    }
  ]
}
```

Find the number of users who are absent between
15 oct-2020 and 31-oct-2020

All batch absent details result page 5



Type here to search



31°C Mostly cloudy

ENG

17:54
24-01-2024



```
{
  "_id" : {
    "batch" : "batch_B53_WD2",
    "student_id" : 5,
    "student_name" : "Ealizi"
  },
  "absent_details" : [
    {
      "absent_counts" : 1,
      "absent_Date" : "18/10/2020"
    }
  ]
},
{
  "_id" : {
    "batch" : "batch_B53_WD2",
    "student_id" : 6,
    "student_name" : "Gopal"
  },
  "absent_details" : [
    {
      "absent_counts" : 1,
      "absent_Date" : "19/10/2020"
    }
  ]
},
{
  "_id" : {
    "batch" : "batch_B53_WD3",
    "student_id" : 5,
    "student_name" : "Senthil"
  },
  "absent_details" : [
    {
      "absent_counts" : 1,
      "absent_Date" : "31/10/2020"
    }
  ]
},
{
  "_id" : {
    "batch" : "batch_B53_WD3",
    "student_id" : 6,
    "student_name" : "Vetri"
  },
  "absent_details" : [
    {
      "absent_counts" : 1,
      "absent_Date" : "29/10/2020"
    }
  ]
}
```

Find the number of users who are absent between
15 oct-2020 and 31-oct-2020

All batch absent details result page 6

C:\Windows\System32\cmd.exe - mongo

```
> db.attendance.aggregate([
...   {
...     $unwind: "$batch_B51_WD1"
...   },
...   {
...     $match: {
...       "batch_B51_WD1.absent_Date": { $gte: "15/10/2020", $lte: "31/10/2020"}
...     }
...   },
...   {
...     $group: {
...       _id: {
...         student_id: "$student_id",
...         student_name: "$student_name"
...       },
...       absent_details: {
...         $push: "$batch_B51_WD1"
...       }
...     }
...   },
...   {
...     $sort: {
...       "_id.mentor_id": 1
...     }
...   }
... ]).pretty()
```

```
{
  "_id" : {
    },
    "absent_details" : [
      {
        "student_id" : 2,
        "student_Name" : "Aaparna",
        "present_counts" : 23,
        "absent_Date" : "15/10/2020",
        "absent_counts" : 1
      },
      {
        "student_id" : 4,
        "student_Name" : "Chandru",
        "present_counts" : 23,
        "absent_Date" : "16/10/2020",
        "absent_counts" : 1
      },
      {
        "student_id" : 5,
        "student_Name" : "David",
        "present_counts" : 23,
        "absent_Date" : "17/10/2020",
        "absent_counts" : 1
      }
    ]
  }
}
```

Find the number of users who are absent between
15 oct-2020 and 31-oct-2020

single batch absent details result page 1

```
> db.tasks.aggregate([
...   {
...     $match: {
...       month: "october"
...     }
...   },
...   {
...     $unwind: "$task"
...   },
...   {
...     $match: {
...       "task.date": { $gte: "01/10/2020", $lte: "14/10/2020" },
...       "task.submitted": { $exists: false }
...     }
...   },
...   {
...     $group: {
...       _id: {
...         _id: "$_id",
...         month: "$month"
...       },
...       tasks: {
...         $push: {
...           id: "$task.id",
...           task_day: "$task.task_day",
...           date: "$task.date",
...           title: "$task.title",
...           details: "$task.details"
...         }
...       }
...     }
...   },
...   {
...     $sort: {
...       "_id.month": 1
...     }
...   },
...   {
...     $project: {
...       _id: "$_id._id",
...       month: "$_id.month",
...       task: "$tasks"
...     }
...   }
... ]).pretty()
```

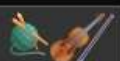
```
"_id" : ObjectId("65ae0856f1c1d14e8649164e"),
"month" : "october",
"task" : [
  {
    "id" : 1,
```

find task is not submitted between 15 oct-2020 and 31-oct-2020

result page 1



Type here to search



32°C Mostly clear

ENG

18:53
24-01-2024

```
... }
... },
... {
...   $project: {
...     _id: "$_id._id",
...     month: "$_id.month",
...     task: "$tasks"
...   }
... }
... ].pretty()
{
  "_id" : ObjectId("65ae0856f1c1d14e8649164e"),
  "month" : "october",
  "task" : [
    {
      "id" : 1,
      "task_day" : 5.1,
      "date" : "05/10/2020",
      "title" : "HTML tags task",
      "details" : "h1,h2,h3,h4,h5,h6 & p, span, and related tags for basic web page."
    },
    {
      "id" : 2,
      "task_day" : 7.1,
      "date" : "07/10/2020",
      "title" : "HTML input field task",
      "details" : "create a basic web page which includes student details input fields like (name, DOB, contact, course)."
```

find task is not submitted between 15 oct-2020 and 31-oct-2020

result page 2

