> use zenclass

switched to db zenclass

> db.users.insertMany([ //USERS COLLECTION

... {user\_id:1,

... user\_name:"surbhi",

... contact\_no:9414008874,

... address:"chandra nagar",

... Batch\_no:"B29WD",

... codekata\_problems\_solved:600,

... placements:"appeared"

... },

... {user\_id:2,

... user\_name:"sandesh",

... contact\_no:9515008874,

... address:"nitin nagar",

... Batch\_no:"B29WD",

... codekata\_problems\_solved:400,

... placements:"appeared"

...

... },

... {user\_id:3,

... user\_name:"shubham",

... contact\_no:9414008854,

... address:"chandravardai nagar",

... Batch\_no:"B27WD",

... codekata\_problems\_solved:1000,

... placements:"appeared"

... },

... {user\_id:4,

... user\_name:"deepti",

... contact\_no:8123456790,

... address:"shyam ganj",

... Batch\_no:"C15WD",

... codekata\_problems\_solved:500,

... placements:"not-appeared"

...

... },

... {user\_id:5,

... user\_name:"shruti",

... contact\_no:9414558874,

... address:"mansarovar",

... Batch\_no:"C45WD",

... codekata\_problems\_solved:200,

... placements:"not-appeared"

... },

...

... ]);

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("61f231855086a00cc370067f"),

ObjectId("61f231855086a00cc3700680"),

ObjectId("61f231855086a00cc3700681"),

ObjectId("61f231855086a00cc3700682"),

ObjectId("61f231855086a00cc3700683")

]

}

> db.codekata.insertMany( //CODEKATA COLLECTION

... [

... {

... topics:"input/output",

... total\_questions:20,

... codekata\_topics\_id :101,

...

... },

... {

... topics:"arrays",

... total\_questions:300,

... codekata\_topics\_id :102

...

... },

... {

... topics:"mathematics",

... total\_questions:192,

... codekata\_topics\_id :103

...

... },

... {

... topics:"numbers",

... total\_questions:22,

... codekata\_topics\_id :104

...

... },

... {

... topics:"looping",

... total\_questions:200,

... codekata\_topics\_id :105

...

... },

... {

... topics:"objects",

... total\_questions:50,

... codekata\_topics\_id :106

...

... },

... {

... topics:"company interviews questions",

... total\_questions:290,

... codekata\_topics\_id :107

...

... },

... {

... topics:"functions",

... total\_questions:70,

... codekata\_topics\_id :108

...

... },

... ]

... );

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("61f2319c5086a00cc3700684"),

ObjectId("61f2319c5086a00cc3700685"),

ObjectId("61f2319c5086a00cc3700686"),

ObjectId("61f2319c5086a00cc3700687"),

ObjectId("61f2319c5086a00cc3700688"),

ObjectId("61f2319c5086a00cc3700689"),

ObjectId("61f2319c5086a00cc370068a"),

ObjectId("61f2319c5086a00cc370068b")

]

}

> db.attendance.insertMany([ //ATTENDANCE COLLECTION

... {

... attendance\_id:1200,

... class\_date:"1-10-2022",

... students\_attended\_class:[1,2,3,4,5]

... },

... {

... attendance\_id:1201,

... class\_date:"5-10-2022",

... students\_attended\_class:[1,2,4,5]

...

... },

... {

... attendance\_id:1202,

... class\_date:"15-10-2022",

... students\_attended\_class:[1,2,5]

...

... },

... {

... attendance\_id:1203,

... class\_date:"16-10-2022",

... students\_attended\_class:[1,2,3,4,5]

...

... },

...

... {

... attendance\_id:1204,

... class\_date:"19-10-2022",

... students\_attended\_class:[1,2,3,]

...

... },

... {

... attendance\_id:1205,

... class\_date:"1-11-2022",

... students\_attended\_class:[1,2,3,4,5]

... },

... {

... attendance\_id:1206,

... class\_date:"10-11-2022",

... students\_attended\_class:[1,2,3,4,5]

...

... },

... {

... attendance\_id:1207,

... class\_date:"12-11-2022",

... students\_attended\_class:[1,2,3,4,5]

...

... },

... {

... attendance\_id:1208,

... class\_date:"15-11-2022",

... students\_attended\_class:[2,3,4,5]

...

... },

...

... {

... attendance\_id:1209,

... class\_date:"21-11-2022",

... students\_attended\_class:[1,3,4,5]

...

... },

... ]);

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("61f231b35086a00cc370068c"),

ObjectId("61f231b35086a00cc370068d"),

ObjectId("61f231b35086a00cc370068e"),

ObjectId("61f231b35086a00cc370068f"),

ObjectId("61f231b35086a00cc3700690"),

ObjectId("61f231b35086a00cc3700691"),

ObjectId("61f231b35086a00cc3700692"),

ObjectId("61f231b35086a00cc3700693"),

ObjectId("61f231b35086a00cc3700694"),

ObjectId("61f231b35086a00cc3700695")

]

}

> db.topics.insertMany([ // TOPICS COLLECTION

... {

... session\_topic\_id:"ST201",

... session\_topic:"React Intro",

... session\_date:"1-10-2022"

...

... },

... {

... session\_topic\_id:"ST202",

... session\_topic:"Hooks and types of hooks",

... session\_date:"5-10-2022"

...

... },

... {

...

... session\_topic\_id:"ST203",

... session\_topic:"React components",

... session\_date:"15-10-2022"

...

... },

... {

... session\_topic\_id:"ST204",

... session\_topic:"React Router",

... session\_date:"16-10-2022"

...

... },

... {

... session\_topic\_id:"ST205",

... session\_topic:"Context API",

... session\_date:"19-10-2022"

...

... },

... {

... session\_topic\_id:"ST206",

... session\_topic:"Javascript Intro",

... session\_date:"1-11-2022"

...

... },

... {

... session\_topic\_id:"ST207",

... session\_topic:"Window object",

... session\_date:"10-11-2022"

...

... },

... {

... session\_topic\_id:"ST208",

... session\_topic:"Callback",

... session\_date:"12-11-2022"

...

... },

... {

... session\_topic\_id:"ST209",

... session\_topic:"Mongo DB Intro",

... session\_date:"15-11-2022"

...

... },

... {

... session\_topic\_id:"ST210",

... session\_topic:"Aggregate operations in MongoDB",

... session\_date:"21-11-2022"

...

... }

...

... ]);

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("61f231cb5086a00cc3700696"),

ObjectId("61f231cb5086a00cc3700697"),

ObjectId("61f231cb5086a00cc3700698"),

ObjectId("61f231cb5086a00cc3700699"),

ObjectId("61f231cb5086a00cc370069a"),

ObjectId("61f231cb5086a00cc370069b"),

ObjectId("61f231cb5086a00cc370069c"),

ObjectId("61f231cb5086a00cc370069d"),

ObjectId("61f231cb5086a00cc370069e"),

ObjectId("61f231cb5086a00cc370069f")

]

}

> db.tasks.insertMany([ //TASKS COLLECTION

... {

... task\_id:500,

... session\_topic\_id:"ST201",

... task\_name:"Design the given page using react- https://startbootstrap.com/snippets/pricing-table",

... task\_date:"1-10-2022",

... task\_submitted\_user:[1,2,3,4,5]

...

... },

... {

... task\_id:501,

... session\_topic\_id:"ST202",

... task\_name:"To Do task. Add New Random Task with the Add button is clicked. When the Close button is clicked remove the task. https://www.bootdey.com/snippets/view/bs4-todo-list",

... task\_date:"5-10-2022",

... task\_submitted\_user:[1,2,3,4,5]

...

... },

...

... {

... task\_id:502,

... session\_topic\_id:"ST203",

... task\_name:"https://startbootstrap.com/previews/sb-admin-2 Create a CRUD operation for Product and Users in Admin Panel",

... task\_date:"15-10-2022",

... task\_submitted\_user:[1,3,4,5]

...

...

... },

...

... {

... task\_id:503,

... session\_topic\_id:"ST204",

... task\_name:"Design an UI to implement the CRUD // CRUD - Create,Read,Update,Delete // Dashboard // List Users - /users // Create User - /create-user // Edit User - /edit-user/:id // profile - /profile/:id // edit-profile – /edit-profile/:id",

... task\_date:"16-10-2022",

... task\_submitted\_user:[2,3,4,5]

...

...

... },

...

... {

... task\_id:504,

... session\_topic\_id:"ST205",

... task\_name:"CRUD task completion",

... task\_date:"19-10-2022",

... task\_submitted\_user:[1,2,4,5]

...

...

...

... },

...

... {

... task\_id:505,

... session\_topic\_id:"ST206",

... task\_name:"https://docs.google.com/document/d/1QznT1zM4mI6dG0TODx5Xjs1GquMoSHO3xZ1USDnVM-w/edit?usp=sharing",

... task\_date:"1-11-2022",

... task\_submitted\_user:[1,2,3,4,5]

...

...

... },

...

... {

... task\_id:506,

... session\_topic\_id:"ST207",

... task\_name:"no task",

... task\_date:"10-11-2022",

... task\_submitted\_user:[1,2,3,4,5]

...

...

...

... },

...

... {

... task\_id:507,

... session\_topic\_id:"ST208",

... task\_name:"Callback Hell practice Task: https://docs.google.com/document/d/1K6jW6TPmqWvzoRAm2t-GlOAxKmMRsLt5zaCsdcH\_3LM/edit",

... task\_date:"12-11-2022",

... task\_submitted\_user:[1,2,3,4,5]

...

...

... },

...

... {

... task\_id:508,

... session\_topic\_id:"ST209",

... task\_name:"https://github.com/rvsp/database/tree/master/mongodb",

... task\_date:"15-11-2022",

... task\_submitted\_user:[1,2,3,4,5]

...

...

... },

...

... {

... task\_id:509,

... session\_topic\_id:"ST210",

... task\_name:"Display the list of files and folders with its type in console. The Folder path will be passed has a parameter in command",

... task\_date:"21-11-2022",

... task\_submitted\_user:[1,2,3,4,5]

...

...

... },

...

...

... ]);

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("61f232225086a00cc37006a0"),

ObjectId("61f232225086a00cc37006a1"),

ObjectId("61f232225086a00cc37006a2"),

ObjectId("61f232225086a00cc37006a3"),

ObjectId("61f232225086a00cc37006a4"),

ObjectId("61f232225086a00cc37006a5"),

ObjectId("61f232225086a00cc37006a6"),

ObjectId("61f232225086a00cc37006a7"),

ObjectId("61f232225086a00cc37006a8"),

ObjectId("61f232225086a00cc37006a9")

]

}

> db.company\_drives.insertMany([ //COMPANY\_DRIVES COLLECTION

...

... {

... company\_id:"C1",

... company\_name:"Microsoft",

... arrival\_date:"10-10-2020",

... placements:"appeared"

...

... },

... {

... company\_id:"C2",

... company\_name:"Google",

... arrival\_date:"15-10-2020",

... placements:"appeared"

... },

... {

... company\_id:"C3",

... company\_name:"Octal Info Solutions",

... arrival\_date:"12-10-2020",

... placements:"not appeared"

... },

... {

... company\_id:"C4",

... company\_name:"Accenture",

... arrival\_date:"25-10-2020",

... placements:"appeared"

... },

... {

... company\_id:"C5",

... company\_name:"Adobe",

... arrival\_date:"10-12-2020",

... placements:"appeared"

... },

... {

... company\_id:"C6",

... company\_name:"TCS",

... arrival\_date:"30-10-2020",

... placements:"appeared"

... },

... {

... company\_id:"C7",

... company\_name:"Wipro",

... arrival\_date:"30-10-2020",

... placements:"appeared"

... },

... {

... company\_id:"C8",

... company\_name:"Mckinsey",

... arrival\_date:"20-10-2020",

... placements:"appeared"

... },

... {

... company\_id:"C9",

... company\_name:"IBM",

... arrival\_date:"6-9-2020",

... placements:"not appeared"

... },

... {

... company\_id:"C10",

... company\_name:"Infosys",

... arrival\_date:"16-10-2020",

... placements:"appeared"

... },

... ]);

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("61f232365086a00cc37006aa"),

ObjectId("61f232365086a00cc37006ab"),

ObjectId("61f232365086a00cc37006ac"),

ObjectId("61f232365086a00cc37006ad"),

ObjectId("61f232365086a00cc37006ae"),

ObjectId("61f232365086a00cc37006af"),

ObjectId("61f232365086a00cc37006b0"),

ObjectId("61f232365086a00cc37006b1"),

ObjectId("61f232365086a00cc37006b2"),

ObjectId("61f232365086a00cc37006b3")

]

}

> db.mentors.insertMany([ //MENTORS COLLECTION

... {

... mentor\_id:"M301",

... mentor\_name:"Ragav Kumar",

... assigned\_batch\_no:"B29WD",

... no\_of\_students:25,

... rating:4

...

... },

... {

... mentor\_id:"M302",

... mentor\_name:"Sai Mohan",

... assigned\_batch\_no:"B27WD",

... no\_of\_students:30,

... rating:4

...

... },

... {

... mentor\_id:"M303",

... mentor\_name:"Mariappan",

... assigned\_batch\_no:"B20WE",

... no\_of\_students:15,

... rating:4

...

... },

... {

... mentor\_id:"M304",

... mentor\_name:"Lavish",

... assigned\_batch\_no:"C15WD",

... no\_of\_students:10,

... rating:4

...

... },

... {

... mentor\_id:"M305",

... mentor\_name:"Rahul",

... assigned\_batch\_no:"C45WD",

... no\_of\_students:14,

... rating:4

...

... },

... {

... mentor\_id:"M306",

... mentor\_name:"Nipun",

... assigned\_batch\_no:"C30WE",

... no\_of\_students:40,

... rating:4

...

... },

... ]);

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("61f2324f5086a00cc37006b4"),

ObjectId("61f2324f5086a00cc37006b5"),

ObjectId("61f2324f5086a00cc37006b6"),

ObjectId("61f2324f5086a00cc37006b7"),

ObjectId("61f2324f5086a00cc37006b8"),

ObjectId("61f2324f5086a00cc37006b9")

]

}

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

> db.company\_drives.find({

... $and:[{"arrival\_date":{$gte:"15-10-2020",$lte:"31-10-2020"}}]

... });

{ "\_id" : ObjectId("61f232365086a00cc37006ab"), "company\_id" : "C2", "company\_name" : "Google", "arrival\_date" : "15-10-2020", "placements" : "appeared" }

{ "\_id" : ObjectId("61f232365086a00cc37006ad"), "company\_id" : "C4", "company\_name" : "Accenture", "arrival\_date" : "25-10-2020", "placements" : "appeared" }

{ "\_id" : ObjectId("61f232365086a00cc37006af"), "company\_id" : "C6", "company\_name" : "TCS", "arrival\_date" : "30-10-2020", "placements" : "appeared" }

{ "\_id" : ObjectId("61f232365086a00cc37006b0"), "company\_id" : "C7", "company\_name" : "Wipro", "arrival\_date" : "30-10-2020", "placements" : "appeared" }

{ "\_id" : ObjectId("61f232365086a00cc37006b1"), "company\_id" : "C8", "company\_name" : "Mckinsey", "arrival\_date" : "20-10-2020", "placements" : "appeared" }

{ "\_id" : ObjectId("61f232365086a00cc37006b3"), "company\_id" : "C10", "company\_name" : "Infosys", "arrival\_date" : "16-10-2020", "placements" : "appeared" }

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

db.mentors.find({

... no\_of\_students :{$gt:15}

... }).pretty();

{

"\_id" : ObjectId("61f2324f5086a00cc37006b4"),

"mentor\_id" : "M301",

"mentor\_name" : "Ragav Kumar",

"assigned\_batch\_no" : "B29WD",

"no\_of\_students" : 25,

"rating" : 4

}

{

"\_id" : ObjectId("61f2324f5086a00cc37006b5"),

"mentor\_id" : "M302",

"mentor\_name" : "Sai Mohan",

"assigned\_batch\_no" : "B27WD",

"no\_of\_students" : 30,

"rating" : 4

}

{

"\_id" : ObjectId("61f2324f5086a00cc37006b9"),

"mentor\_id" : "M306",

"mentor\_name" : "Nipun",

"assigned\_batch\_no" : "C30WE",

"no\_of\_students" : 40,

"rating" : 4

}

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

db.users.find({},{codekata\_problems\_solved:1,user\_name:1});

{ "\_id" : ObjectId("61f231855086a00cc370067f"), "user\_name" : "surbhi", "codekata\_problems\_solved" : 600 }

{ "\_id" : ObjectId("61f231855086a00cc3700680"), "user\_name" : "sandesh", "codekata\_problems\_solved" : 400 }

{ "\_id" : ObjectId("61f231855086a00cc3700681"), "user\_name" : "shubham", "codekata\_problems\_solved" : 1000 }

{ "\_id" : ObjectId("61f231855086a00cc3700682"), "user\_name" : "deepti", "codekata\_problems\_solved" : 500 }

{ "\_id" : ObjectId("61f231855086a00cc3700683"), "user\_name" : "shruti", "codekata\_problems\_solved" : 200 }

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

db.tasks.find({$and:[{"task\_date":{$gte:"1-10-2022",$lte:"30-10-2022"}}]}).pretty();

{

"\_id" : ObjectId("61f232225086a00cc37006a0"),

"task\_id" : 500,

"session\_topic\_id" : "ST201",

"task\_name" : "Design the given page using react- https://startbootstrap.com/snippets/pricing-table",

"task\_date" : "1-10-2022",

"task\_submitted\_user" : [

1,

2,

3,

4,

5

]

}

{

"\_id" : ObjectId("61f232225086a00cc37006a2"),

"task\_id" : 502,

"session\_topic\_id" : "ST203",

"task\_name" : "https://startbootstrap.com/previews/sb-admin-2 Create a CRUD operation for Product and Users in Admin Panel",

"task\_date" : "15-10-2022",

"task\_submitted\_user" : [

1,

3,

4,

5

]

}

{

"\_id" : ObjectId("61f232225086a00cc37006a3"),

"task\_id" : 503,

"session\_topic\_id" : "ST204",

"task\_name" : "Design an UI to implement the CRUD // CRUD - Create,Read,Update,Delete // Dashboard // List Users - /users // Create User - /create-user // Edit User - /edit-user/:id // profile - /profile/:id // edit-profile – /edit-profile/:id",

"task\_date" : "16-10-2022",

"task\_submitted\_user" : [

2,

3,

4,

5

]

}

{

"\_id" : ObjectId("61f232225086a00cc37006a4"),

"task\_id" : 504,

"session\_topic\_id" : "ST205",

"task\_name" : "CRUD task completion",

"task\_date" : "19-10-2022",

"task\_submitted\_user" : [

1,

2,

4,

5

]

}

db.topics.find({$and:[{"session\_date":{$gte:"1-10-2022",$lte:"30-10-2022"}}]});

{ "\_id" : ObjectId("61f231cb5086a00cc3700696"), "session\_topic\_id" : "ST201", "session\_topic" : "React Intro", "session\_date" : "1-10-2022" }

{ "\_id" : ObjectId("61f231cb5086a00cc3700698"), "session\_topic\_id" : "ST203", "session\_topic" : "React components", "session\_date" : "15-10-2022" }

{ "\_id" : ObjectId("61f231cb5086a00cc3700699"), "session\_topic\_id" : "ST204", "session\_topic" : "React Router", "session\_date" : "16-10-2022" }

{ "\_id" : ObjectId("61f231cb5086a00cc370069a"), "session\_topic\_id" : "ST205", "session\_topic" : "Context API", "session\_date" : "19-10-2022" }

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

db.users.find({"placements":"appeared"});

{ "\_id" : ObjectId("61f231855086a00cc370067f"), "user\_id" : 1, "user\_name" : "surbhi", "contact\_no" : 9414008874, "address" : "chandra nagar", "Batch\_no" : "B29WD", "codekata\_problems\_solved" : 600, "placements" : "appeared" }

{ "\_id" : ObjectId("61f231855086a00cc3700680"), "user\_id" : 2, "user\_name" : "sandesh", "contact\_no" : 9515008874, "address" : "nitin nagar", "Batch\_no" : "B29WD", "codekata\_problems\_solved" : 400, "placements" : "appeared" }

{ "\_id" : ObjectId("61f231855086a00cc3700681"), "user\_id" : 3, "user\_name" : "shubham", "contact\_no" : 9414008854, "address" : "chandravardai nagar", "Batch\_no" : "B27WD", "codekata\_problems\_solved" : 1000, "placements" : "appeared" }

db.company\_drives.find({"placements":"appeared"});

{ "\_id" : ObjectId("61f232365086a00cc37006aa"), "company\_id" : "C1", "company\_name" : "Microsoft", "arrival\_date" : "10-10-2020", "placements" : "appeared" }

{ "\_id" : ObjectId("61f232365086a00cc37006ab"), "company\_id" : "C2", "company\_name" : "Google", "arrival\_date" : "15-10-2020", "placements" : "appeared" }

{ "\_id" : ObjectId("61f232365086a00cc37006ad"), "company\_id" : "C4", "company\_name" : "Accenture", "arrival\_date" : "25-10-2020", "placements" : "appeared" }

{ "\_id" : ObjectId("61f232365086a00cc37006ae"), "company\_id" : "C5", "company\_name" : "Adobe", "arrival\_date" : "10-12-2020", "placements" : "appeared" }

{ "\_id" : ObjectId("61f232365086a00cc37006af"), "company\_id" : "C6", "company\_name" : "TCS", "arrival\_date" : "30-10-2020", "placements" : "appeared" }

{ "\_id" : ObjectId("61f232365086a00cc37006b0"), "company\_id" : "C7", "company\_name" : "Wipro", "arrival\_date" : "30-10-2020", "placements" : "appeared" }

{ "\_id" : ObjectId("61f232365086a00cc37006b1"), "company\_id" : "C8", "company\_name" : "Mckinsey", "arrival\_date" : "20-10-2020", "placements" : "appeared" }

{ "\_id" : ObjectId("61f232365086a00cc37006b3"), "company\_id" : "C10", "company\_name" : "Infosys", "arrival\_date" : "16-10-2020", "placements" : "appeared" }

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

db.attendance.find({"students\_attended\_class":{$in:[1,2,3,4,5]}});

{ "\_id" : ObjectId("61f231b35086a00cc370068c"), "attendance\_id" : 1200, "class\_date" : "1-10-2022", "students\_attended\_class" : [ 1, 2, 3, 4, 5 ] }

{ "\_id" : ObjectId("61f231b35086a00cc370068d"), "attendance\_id" : 1201, "class\_date" : "5-10-2022", "students\_attended\_class" : [ 1, 2, 4, 5 ] }

{ "\_id" : ObjectId("61f231b35086a00cc370068e"), "attendance\_id" : 1202, "class\_date" : "15-10-2022", "students\_attended\_class" : [ 1, 2, 5 ] }

{ "\_id" : ObjectId("61f231b35086a00cc370068f"), "attendance\_id" : 1203, "class\_date" : "16-10-2022", "students\_attended\_class" : [ 1, 2, 3, 4, 5 ] }

{ "\_id" : ObjectId("61f231b35086a00cc3700690"), "attendance\_id" : 1204, "class\_date" : "19-10-2022", "students\_attended\_class" : [ 1, 2, 3 ] }

{ "\_id" : ObjectId("61f231b35086a00cc3700691"), "attendance\_id" : 1205, "class\_date" : "1-11-2022", "students\_attended\_class" : [ 1, 2, 3, 4, 5 ] }

{ "\_id" : ObjectId("61f231b35086a00cc3700692"), "attendance\_id" : 1206, "class\_date" : "10-11-2022", "students\_attended\_class" : [ 1, 2, 3, 4, 5 ] }

{ "\_id" : ObjectId("61f231b35086a00cc3700693"), "attendance\_id" : 1207, "class\_date" : "12-11-2022", "students\_attended\_class" : [ 1, 2, 3, 4, 5 ] }

{ "\_id" : ObjectId("61f231b35086a00cc3700694"), "attendance\_id" : 1208, "class\_date" : "15-11-2022", "students\_attended\_class" : [ 2, 3, 4, 5 ] }

{ "\_id" : ObjectId("61f231b35086a00cc3700695"), "attendance\_id" : 1209, "class\_date" : "21-11-2022", "students\_attended\_class" : [ 1, 3, 4, 5 ] }

db.tasks.find({"task\_submitted\_user":{$in:[1,2,3,4,5]}}).pretty();

{

"\_id" : ObjectId("61f232225086a00cc37006a0"),

"task\_id" : 500,

"session\_topic\_id" : "ST201",

"task\_name" : "Design the given page using react- https://startbootstrap.com/snippets/pricing-table",

"task\_date" : "1-10-2022",

"task\_submitted\_user" : [

1,

2,

3,

4,

5

]

}

{

"\_id" : ObjectId("61f232225086a00cc37006a1"),

"task\_id" : 501,

"session\_topic\_id" : "ST202",

"task\_name" : "To Do task. Add New Random Task with the Add button is clicked. When the Close button is clicked remove the task. https://www.bootdey.com/snippets/view/bs4-todo-list",

"task\_date" : "5-10-2022",

"task\_submitted\_user" : [

1,

2,

3,

4,

5

]

}

{

"\_id" : ObjectId("61f232225086a00cc37006a2"),

"task\_id" : 502,

"session\_topic\_id" : "ST203",

"task\_name" : "https://startbootstrap.com/previews/sb-admin-2 Create a CRUD operation for Product and Users in Admin Panel",

"task\_date" : "15-10-2022",

"task\_submitted\_user" : [

1,

3,

4,

5

]

}

{

"\_id" : ObjectId("61f232225086a00cc37006a3"),

"task\_id" : 503,

"session\_topic\_id" : "ST204",

"task\_name" : "Design an UI to implement the CRUD // CRUD - Create,Read,Update,Delete // Dashboard // List Users - /users // Create User - /create-user // Edit User - /edit-user/:id // profile - /profile/:id // edit-profile – /edit-profile/:id",

"task\_date" : "16-10-2022",

"task\_submitted\_user" : [

2,

3,

4,

5

]

}

{

"\_id" : ObjectId("61f232225086a00cc37006a4"),

"task\_id" : 504,

"session\_topic\_id" : "ST205",

"task\_name" : "CRUD task completion",

"task\_date" : "19-10-2022",

"task\_submitted\_user" : [

1,

2,

4,

5

]

}

{

"\_id" : ObjectId("61f232225086a00cc37006a5"),

"task\_id" : 505,

"session\_topic\_id" : "ST206",

"task\_name" : "https://docs.google.com/document/d/1QznT1zM4mI6dG0TODx5Xjs1GquMoSHO3xZ1USDnVM-w/edit?usp=sharing",

"task\_date" : "1-11-2022",

"task\_submitted\_user" : [

1,

2,

3,

4,

5

]

}

{

"\_id" : ObjectId("61f232225086a00cc37006a6"),

"task\_id" : 506,

"session\_topic\_id" : "ST207",

"task\_name" : "no task",

"task\_date" : "10-11-2022",

"task\_submitted\_user" : [

1,

2,

3,

4,

5

]

}

{

"\_id" : ObjectId("61f232225086a00cc37006a7"),

"task\_id" : 507,

"session\_topic\_id" : "ST208",

"task\_name" : "Callback Hell practice Task: https://docs.google.com/document/d/1K6jW6TPmqWvzoRAm2t-GlOAxKmMRsLt5zaCsdcH\_3LM/edit",

"task\_date" : "12-11-2022",

"task\_submitted\_user" : [

1,

2,

3,

4,

5

]

}

{

"\_id" : ObjectId("61f232225086a00cc37006a8"),

"task\_id" : 508,

"session\_topic\_id" : "ST209",

"task\_name" : "https://github.com/rvsp/database/tree/master/mongodb",

"task\_date" : "15-11-2022",

"task\_submitted\_user" : [

1,

2,

3,

4,

5

]

}

{

"\_id" : ObjectId("61f232225086a00cc37006a9"),

"task\_id" : 509,

"session\_topic\_id" : "ST210",

"task\_name" : "Display the list of files and folders with its type in console. The Folder path will be passed has a parameter in command",

"task\_date" : "21-11-2022",

"task\_submitted\_user" : [

1,

2,

3,

4,

5

]

}

Product collection

**Find all the information about each products**

db.items.find({}).pretty();

{

"\_id" : ObjectId("61eba6e26107fd715eef74e8"),

"id" : "1",

"product\_name" : "Intelligent Fresh Chips",

"product\_price" : 655,

"product\_material" : "Concrete",

"product\_color" : "mint green"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74e9"),

"id" : "2",

"product\_name" : "Practical Fresh Sausages",

"product\_price" : 911,

"product\_material" : "Cotton",

"product\_color" : "indigo"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74ea"),

"id" : "3",

"product\_name" : "Refined Steel Car",

"product\_price" : 690,

"product\_material" : "Rubber",

"product\_color" : "gold"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74eb"),

"id" : "4",

"product\_name" : "Gorgeous Plastic Pants",

"product\_price" : 492,

"product\_material" : "Soft",

"product\_color" : "plum"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74ec"),

"id" : "5",

"product\_name" : "Sleek Cotton Chair",

"product\_price" : 33,

"product\_material" : "Fresh",

"product\_color" : "black"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74ed"),

"id" : "6",

"product\_name" : "Awesome Wooden Towels",

"product\_price" : 474,

"product\_material" : "Plastic",

"product\_color" : "orange"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74ee"),

"id" : "7",

"product\_name" : "Practical Soft Shoes",

"product\_price" : 500,

"product\_material" : "Rubber",

"product\_color" : "pink"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74ef"),

"id" : "8",

"product\_name" : "Incredible Steel Hat",

"product\_price" : 78,

"product\_material" : "Rubber",

"product\_color" : "violet"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74f0"),

"id" : "9",

"product\_name" : "Awesome Wooden Ball",

"product\_price" : 28,

"product\_material" : "Soft",

"product\_color" : "azure"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74f1"),

"id" : "10",

"product\_name" : "Generic Wooden Pizza",

"product\_price" : 84,

"product\_material" : "Frozen",

"product\_color" : "indigo"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74f2"),

"id" : "11",

"product\_name" : "Unbranded Wooden Cheese",

"product\_price" : 26,

"product\_material" : "Soft",

"product\_color" : "black"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74f3"),

"id" : "12",

"product\_name" : "Unbranded Plastic Salad",

"product\_price" : 89,

"product\_material" : "Wooden",

"product\_color" : "pink"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74f4"),

"id" : "13",

"product\_name" : "Gorgeous Cotton Keyboard",

"product\_price" : 37,

"product\_material" : "Concrete",

"product\_color" : "sky blue"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74f5"),

"id" : "14",

"product\_name" : "Incredible Steel Shirt",

"product\_price" : 54,

"product\_material" : "Metal",

"product\_color" : "white"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74f6"),

"id" : "15",

"product\_name" : "Ergonomic Cotton Hat",

"product\_price" : 43,

"product\_material" : "Rubber",

"product\_color" : "mint green"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74f7"),

"id" : "16",

"product\_name" : "Small Soft Chair",

"product\_price" : 47,

"product\_material" : "Cotton",

"product\_color" : "teal"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74f8"),

"id" : "17",

"product\_name" : "Incredible Metal Car",

"product\_price" : 36,

"product\_material" : "Fresh",

"product\_color" : "indigo"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74f9"),

"id" : "18",

"product\_name" : "Licensed Plastic Bacon",

"product\_price" : 88,

"product\_material" : "Steel",

"product\_color" : "yellow"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74fa"),

"id" : "19",

"product\_name" : "Intelligent Cotton Chips",

"product\_price" : 46,

"product\_material" : "Soft",

"product\_color" : "azure"

}

{

"\_id" : ObjectId("61eba6e26107fd715eef74fb"),

"id" : "20",

"product\_name" : "Handcrafted Wooden Bacon",

"product\_price" : 36,

"product\_material" : "Concrete",

"product\_color" : "lime"

}

|  |
| --- |
|  |
|  | **Find the product price which are between 400 to 800**  db.items.find({$and:[{"product\_price":{$gte:400,$lte:800}}]}).pretty();  {  "\_id" : ObjectId("61eba6e26107fd715eef74e8"),  "id" : "1",  "product\_name" : "Intelligent Fresh Chips",  "product\_price" : 655,  "product\_material" : "Concrete",  "product\_color" : "mint green"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74ea"),  "id" : "3",  "product\_name" : "Refined Steel Car",  "product\_price" : 690,  "product\_material" : "Rubber",  "product\_color" : "gold"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74eb"),  "id" : "4",  "product\_name" : "Gorgeous Plastic Pants",  "product\_price" : 492,  "product\_material" : "Soft",  "product\_color" : "plum"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74ed"),  "id" : "6",  "product\_name" : "Awesome Wooden Towels",  "product\_price" : 474,  "product\_material" : "Plastic",  "product\_color" : "orange"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74ee"),  "id" : "7",  "product\_name" : "Practical Soft Shoes",  "product\_price" : 500,  "product\_material" : "Rubber",  "product\_color" : "pink"  } |
|  |  |
|  | **List the four product which are greater than 500 in** **price**  db.items.find({"product\_price":{$gt:500}}).limit(4);  { "\_id" : ObjectId("61eba6e26107fd715eef74e8"), "id" : "1", "product\_name" : "Intelligent Fresh Chips", "product\_price" : 655, "product\_material" : "Concrete", "product\_color" : "mint green" }  { "\_id" : ObjectId("61eba6e26107fd715eef74e9"), "id" : "2", "product\_name" : "Practical Fresh Sausages", "product\_price" : 911, "product\_material" : "Cotton", "product\_color" : "indigo" }  { "\_id" : ObjectId("61eba6e26107fd715eef74ea"), "id" : "3", "product\_name" : "Refined Steel Car", "product\_price" : 690, "product\_material" : "Rubber", "product\_color" : "gold" } |
|  | **Find the product name and product material of each products**  db.items.find({},{"product\_name":1,"product\_material":1}).pretty();  {  "\_id" : ObjectId("61eba6e26107fd715eef74e8"),  "product\_name" : "Intelligent Fresh Chips",  "product\_material" : "Concrete"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74e9"),  "product\_name" : "Practical Fresh Sausages",  "product\_material" : "Cotton"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74ea"),  "product\_name" : "Refined Steel Car",  "product\_material" : "Rubber"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74eb"),  "product\_name" : "Gorgeous Plastic Pants",  "product\_material" : "Soft"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74ec"),  "product\_name" : "Sleek Cotton Chair",  "product\_material" : "Fresh"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74ed"),  "product\_name" : "Awesome Wooden Towels",  "product\_material" : "Plastic"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74ee"),  "product\_name" : "Practical Soft Shoes",  "product\_material" : "Rubber"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74ef"),  "product\_name" : "Incredible Steel Hat",  "product\_material" : "Rubber"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74f0"),  "product\_name" : "Awesome Wooden Ball",  "product\_material" : "Soft"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74f1"),  "product\_name" : "Generic Wooden Pizza",  "product\_material" : "Frozen"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74f2"),  "product\_name" : "Unbranded Wooden Cheese",  "product\_material" : "Soft"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74f3"),  "product\_name" : "Unbranded Plastic Salad",  "product\_material" : "Wooden"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74f4"),  "product\_name" : "Gorgeous Cotton Keyboard",  "product\_material" : "Concrete"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74f5"),  "product\_name" : "Incredible Steel Shirt",  "product\_material" : "Metal"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74f6"),  "product\_name" : "Ergonomic Cotton Hat",  "product\_material" : "Rubber"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74f7"),  "product\_name" : "Small Soft Chair",  "product\_material" : "Cotton"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74f8"),  "product\_name" : "Incredible Metal Car",  "product\_material" : "Fresh"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74f9"),  "product\_name" : "Licensed Plastic Bacon",  "product\_material" : "Steel"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74fa"),  "product\_name" : "Intelligent Cotton Chips",  "product\_material" : "Soft"  }  {  "\_id" : ObjectId("61eba6e26107fd715eef74fb"),  "product\_name" : "Handcrafted Wooden Bacon",  "product\_material" : "Concrete"  } |
|  | **Find the product with a row id of 10**  db.items.find({"id":"10"});  { "\_id" : ObjectId("61eba6e26107fd715eef74f1"), "id" : "10", "product\_name" : "Generic Wooden Pizza", "product\_price" : 84, "product\_material" : "Frozen", "product\_color" : "indigo" } |
|  | **Find only the product name and product material**  db.items.find({},{"product\_name":1,"product\_material":1,\_id:0}).pretty();  {  "product\_name" : "Intelligent Fresh Chips",  "product\_material" : "Concrete"  }  {  "product\_name" : "Practical Fresh Sausages",  "product\_material" : "Cotton"  }  { "product\_name" : "Refined Steel Car", "product\_material" : "Rubber" }  { "product\_name" : "Gorgeous Plastic Pants", "product\_material" : "Soft" }  { "product\_name" : "Sleek Cotton Chair", "product\_material" : "Fresh" }  { "product\_name" : "Awesome Wooden Towels", "product\_material" : "Plastic" }  { "product\_name" : "Practical Soft Shoes", "product\_material" : "Rubber" }  { "product\_name" : "Incredible Steel Hat", "product\_material" : "Rubber" }  { "product\_name" : "Awesome Wooden Ball", "product\_material" : "Soft" }  { "product\_name" : "Generic Wooden Pizza", "product\_material" : "Frozen" }  { "product\_name" : "Unbranded Wooden Cheese", "product\_material" : "Soft" }  { "product\_name" : "Unbranded Plastic Salad", "product\_material" : "Wooden" }  {  "product\_name" : "Gorgeous Cotton Keyboard",  "product\_material" : "Concrete"  }  { "product\_name" : "Incredible Steel Shirt", "product\_material" : "Metal" }  { "product\_name" : "Ergonomic Cotton Hat", "product\_material" : "Rubber" }  { "product\_name" : "Small Soft Chair", "product\_material" : "Cotton" }  { "product\_name" : "Incredible Metal Car", "product\_material" : "Fresh" }  { "product\_name" : "Licensed Plastic Bacon", "product\_material" : "Steel" }  { "product\_name" : "Intelligent Cotton Chips", "product\_material" : "Soft" }  {  "product\_name" : "Handcrafted Wooden Bacon",  "product\_material" : "Concrete"  } |
|  | **Find all products which contain the value of soft in product material**  db.items.find({"product\_material":"Soft"});  { "\_id" : ObjectId("61eba6e26107fd715eef74eb"), "id" : "4", "product\_name" : "Gorgeous Plastic Pants", "product\_price" : 492, "product\_material" : "Soft", "product\_color" : "plum" }  { "\_id" : ObjectId("61eba6e26107fd715eef74f0"), "id" : "9", "product\_name" : "Awesome Wooden Ball", "product\_price" : 28, "product\_material" : "Soft", "product\_color" : "azure" }  { "\_id" : ObjectId("61eba6e26107fd715eef74f2"), "id" : "11", "product\_name" : "Unbranded Wooden Cheese", "product\_price" : 26, "product\_material" : "Soft", "product\_color" : "black" }  { "\_id" : ObjectId("61eba6e26107fd715eef74fa"), "id" : "19", "product\_name" : "Intelligent Cotton Chips", "product\_price" : 46, "product\_material" : "Soft", "product\_color" : "azure" } |
|  | **Find products which contain product color indigo and product price 492.00**  db.items.find({$and:[{"product\_color":"indigo"},{"product\_price":492}]}); |
|  | **Delete the products which product price value are same**  db.items.aggregate([  ... { "$group": {  ... "\_id": "$product\_price",  ... "Counter": { "$sum": 1 }  ... }},  ... { "$match": {  ... "Counter": { "$gt": 1 }  ... }}  ... ]).pretty();  { "\_id" : 47, "Counter" : 2 }  { "\_id" : 36, "Counter" : 2 }  db.items.remove({"product\_price":47});  WriteResult({ "nRemoved" : 2 })  > db.items.remove({"product\_price":36});  WriteResult({ "nRemoved" : 2 }) |