

```
// Users collection
```

```
db.users.insertMany([  
  { _id: 1, name: "User1", email: "user1@example.com", role: "student" },  
  { _id: 2, name: "User2", email: "user2@example.com", role: "mentor" },  
]);
```

```
// Codekata collection
```

```
db.codekata.insertMany([  
  { _id: 1, user_id: 1, problems_solved: 10 },  
  { _id: 2, user_id: 2, problems_solved: 15 },  
]);
```

```
// Attendance collection
```

```
db.attendance.insertMany([  
  { _id: 1, user_id: 1, date: ISODate("2020-10-15"), status: "present" },  
  { _id: 2, user_id: 2, date: ISODate("2020-10-20"), status: "absent" },  
]);
```

```
// Topics collection
```

```
db.topics.insertMany([  
  { _id: 1, name: "Topic1", date: ISODate("2020-10-05") },  
  { _id: 2, name: "Topic2", date: ISODate("2020-10-15") },  
]);
```

```
// Tasks collection
```

```
db.tasks.insertMany([  
  { _id: 1, user_id: 1, task_name: "Task1", submission_status: "submitted" },  
  { _id: 2, user_id: 2, task_name: "Task2", submission_status: "not submitted" },  
]);
```

// Company Drives collection

```
db.company_drives.insertMany([
  { _id: 1, name: "Drive1", date: ISODate("2020-10-20") },
  { _id: 2, name: "Drive2", date: ISODate("2020-10-25") },
]);
```

// Mentors collection

```
db.mentors.insertMany([
  { _id: 1, name: "Mentor1", mentee_count: 20 },
  { _id: 2, name: "Mentor2", mentee_count: 10 },
]);
```

```
products> db.product.deleteMany({ product_price: { $eq: 20 } })
{ acknowledged: true, deletedCount: 1 }
products> // Users collection

products> db.users.insertMany([
...   { _id: 1, name: "User1", email: "user1@example.com", role: "student" },
...   { _id: 2, name: "User2", email: "user2@example.com", role: "mentor" },
... ]);
{ acknowledged: true, insertedIds: { '0': 1, '1': 2 } }
products>

products> // Codekata collection

products> db.codekata.insertMany([
...   { _id: 1, user_id: 1, problems_solved: 10 },
...   { _id: 2, user_id: 2, problems_solved: 15 },
... ]);
{ acknowledged: true, insertedIds: { '0': 1, '1': 2 } }
products>

products> // Attendance collection

products> db.attendance.insertMany([
...   { _id: 1, user_id: 1, date: ISODate("2020-10-15"), status: "present" },
...   { _id: 2, user_id: 2, date: ISODate("2020-10-20"), status: "absent" },
... ]);
{ acknowledged: true, insertedIds: { '0': 1, '1': 2 } }
products>

products> // Topics collection

products> db.topics.insertMany([
...   { _id: 1, name: "Topic1", date: ISODate("2020-10-05") },
...   { _id: 2, name: "Topic2", date: ISODate("2020-10-15") },
... ]);
{ acknowledged: true, insertedIds: { '0': 1, '1': 2 } }
products>

products> // Tasks collection

products> db.tasks.insertMany([
...   { _id: 1, user_id: 1, task_name: "Task1", submission_status: "submitted" },
...   { _id: 2, user_id: 2, task_name: "Task2", submission_status: "not submitted" },
... ]);
{ acknowledged: true, insertedIds: { '0': 1, '1': 2 } }
products>

products> // Company Drives collection
```

```
db.topics.find({ date: { $gte: ISODate("2020-10-01"), $lt: ISODate("2020-11-01") } })
```

```
products> db.topics.find({ date: { $gte: ISODate("2020-10-01"), $lt: ISODate("2020-11-01") } })
[
  { _id: 1, name: 'Topic1', date: ISODate("2020-10-05T00:00:00.000Z") },
  { _id: 2, name: 'Topic2', date: ISODate("2020-10-15T00:00:00.000Z") }
]
products> ▀
```

```
products> db.company_drives.find({ date: { $gte: ISODate("2020-10-15"), $lte: ISODate("2020-10-31") } })
[
  { _id: 1, name: 'Drive1', date: ISODate("2020-10-20T00:00:00.000Z") },
  { _id: 2, name: 'Drive2', date: ISODate("2020-10-25T00:00:00.000Z") }
]
products> db.company_drives.find({})
[
  { _id: 1, name: 'Drive1', date: ISODate("2020-10-20T00:00:00.000Z") },
  { _id: 2, name: 'Drive2', date: ISODate("2020-10-25T00:00:00.000Z") }
]
products> db.users.find({ role: "student" })
[
  {
    _id: 1,
    name: 'User1',
    email: 'user1@example.com',
    role: 'student'
  }
]
products> db.codekata.aggregate([
...   { $match: { user_id: 1 } },
...   { $group: { _id: null, total_problems_solved: { $sum: "$problems_solved" } } }
... ])
[ { _id: null, total_problems_solved: 10 } ]
products> db.mentors.find({ mentee_count: { $gt: 15 } })
[ { _id: 1, name: 'Mentor1', mentee_count: 20 } ]
products> db.attendance.find({ date: { $gte: ISODate("2020-10-15"), $lte: ISODate("2020-10-31") }, status: "absent" })
[
  {
    _id: 2,
    user_id: 2,
    date: ISODate("2020-10-20T00:00:00.000Z"),
    status: 'absent'
  }
]
products> db.tasks.find({ submission_status: "not submitted" })
[
  {
    _id: 2,
    user_id: 2,
    task_name: 'Task2',
    submission_status: 'not submitted'
  }
]
products> ▀
```