

```

>db.createCollection("Student");
{ ok: 1 }
>db.Student.insertMany([
  { Roll_No: "A01", Name: "Alice", Class: "SE", Marks: 85, Address: "Address1",
    Enrolled_Courses: ["DBMS", "Math"] },
  { Roll_No: "A02", Name: "Bob", Class: "TE", Marks: 60, Address: "Address2",
    Enrolled_Courses: ["TOC", "DBMS"] },
  { Roll_No: "A03", Name: "Charlie", Class: "BE", Marks: 45, Address: "Address3",
    Enrolled_Courses: ["OS", "Math"] },
  { Roll_No: "A04", Name: "David", Class: "TE", Marks: 75, Address: "Address4",
    Enrolled_Courses: ["DBMS", "TOC"] },
  { Roll_No: "A05", Name: "Eve", Class: "SE", Marks: 55, Address: "Address5",
    Enrolled_Courses: ["AI", "DBMS"] },
  { Roll_No: "A06", Name: "Frank", Class: "BE", Marks: 90, Address: "Address6",
    Enrolled_Courses: ["Math", "TOC"] },
  { Roll_No: "A07", Name: "Grace", Class: "TE", Marks: 30, Address: "Address7",
    Enrolled_Courses: ["DBMS", "AI"] },
  { Roll_No: "A08", Name: "Hank", Class: "SE", Marks: 20, Address: "Address8",
    Enrolled_Courses: ["Math", "TOC"] },
  { Roll_No: "A09", Name: "Ivy", Class: "BE", Marks: 65, Address: "Address9",
    Enrolled_Courses: ["DBMS", "OS"] },
  { Roll_No: "A10", Name: "Jack", Class: "TE", Marks: 95, Address: "Address10",
    Enrolled_Courses: ["TOC", "AI"] }
]);

>db.Student.find(
  { Enrolled_Courses: { $in: ["DBMS", "TOC"] } },
  { Name: 1, _id: 0 }
);
>{
  Name: 'Alice'
}
{
  Name: 'Bob'
}
{
  Name: 'David'
}
{
  Name: 'Eve'
}
{
  Name: 'Frank'
}
{
  Name: 'Grace'
}
{
  Name: 'Hank'
}
{
  Name: 'Ivy'
}
{
  Name: 'Jack New'
}
{
  Name: 'Alice'
}

```

```

{
  Name: 'Bob'
}
{
  Name: 'David'
}
{
  Name: 'Eve'
}
{
  Name: 'Frank'
}
{
  Name: 'Alice'
}
{
  Name: 'Bob'
}
{
  Name: 'David'
}
{
  Name: 'Eve'
}
{
  Name: 'Frank'
}
{
  Name: 'Grace'
}
Type "it" for more
>db.Student.find(
  { $or: [{ Marks: { $gt: 50 } }, { Class: "TE" }] },
  { Roll_No: 1, Class: 1, _id: 0 }
);
>{
  Roll_No: 'A01',
  Class: 'SE'
}
{
  Roll_No: 'A02',
  Class: 'TE'
}
{
  Roll_No: 'A04',
  Class: 'TE'
}
{
  Roll_No: 'A05',
  Class: 'SE'
}
{
  Roll_No: 'A06',
  Class: 'BE'
}
{
  Roll_No: 'A07',
  Class: 'TE'
}

```

```

{
  Roll_No: 'A09',
  Class: 'BE'
}
{
  Roll_No: 'A10',
  Class: 'BE'
}
{
  Roll_No: 'A01',
  Class: 'SE'
}
{
  Roll_No: 'A02',
  Class: 'TE'
}
{
  Roll_No: 'A04',
  Class: 'TE'
}
{
  Roll_No: 'A05',
  Class: 'SE'
}
{
  Roll_No: 'A06',
  Class: 'BE'
}
{
  Roll_No: 'A01',
  Class: 'SE'
}
{
  Roll_No: 'A02',
  Class: 'TE'
}
{
  Roll_No: 'A04',
  Class: 'TE'
}
{
  Roll_No: 'A05',
  Class: 'SE'
}
{
  Roll_No: 'A06',
  Class: 'BE'
}
{
  Roll_No: 'A07',
  Class: 'TE'
}
{
  Roll_No: 'A09',
  Class: 'BE'
}

```

Type "it" for more

```
>db.Student.updateOne(
```

```

    { Roll_No: "A10" },
    {
      $set: {
        Name: "Jack New",
        Class: "BE",
        Marks: 88,
        Address: "New Address",
        Enrolled_Courses: ["DBMS", "AI", "Math"]
      }
    }
  );
  >{
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 0,
    upsertedCount: 0
  }

  >db.Student.find({}, { Name: 1, Marks: 1, _id: 0 })
    .sort({ Marks: -1 })
    .skip(2)
    .limit(2);
  {
    Name: 'Frank',
    Marks: 90
  }
  {
    Name: 'Frank',
    Marks: 90
  }
  >db.Student.deleteMany( { Marks: { $lt: 20 } } );

  >{
    acknowledged: true,
    deletedCount: 0
  }

  >db.Student.deleteOne({});

  >{
    acknowledged: true,
    deletedCount: 1
  }

```