




MYSQL

1).Consider the Employee table and write SQL command to get the following.

A. Write a query to display EName and Sal of employees whose salary are greater than or equal to 2200?



Result Grid			 Filter Rows: <input type="text"/>	Export: 	W
	ename	sal			
▶	MAHADEVAN	2985.00			
	BINA	2850.00			
	AMIR	5000.00			
	SHIVANSH	2450.00			
	SCOTT	3000.00			

B. Write a query to display details of employees who are not getting commission?

[illegible]

C. Write a query to display employee name and salary of those employees who don't have their salary in the range of 2500 to 4000?

Result Grid



Filter Rows:

Export

	ename	sal
▶	SMITH	800.00
	ANYA	1600.00
	SETH	1250.00
	MOMIN	1250.00
	AMIR	5000.00
	KULDEEP	1500.00
	SHIVANSH	2450.00

D. Write a query to display the name, job title and salary of employees who don't have a manager?

Result Grid



Filter Rows:

Export:


Wrap Cell Content:


	ename	job	sal
▶	AMIR	PRESIDENT	5000.00

E. Write a query to display the name of an employee whose name contains "A" as third alphabet?

Result Grid |  Filter Rows: | Export:  | Wrap Cell Content: 

	ename
▶	MAHADEVAN

F. Write a query to display the name of an employee whose name contains "T" as the last alphabet?

Result Grid

Filter Rows:

Export:

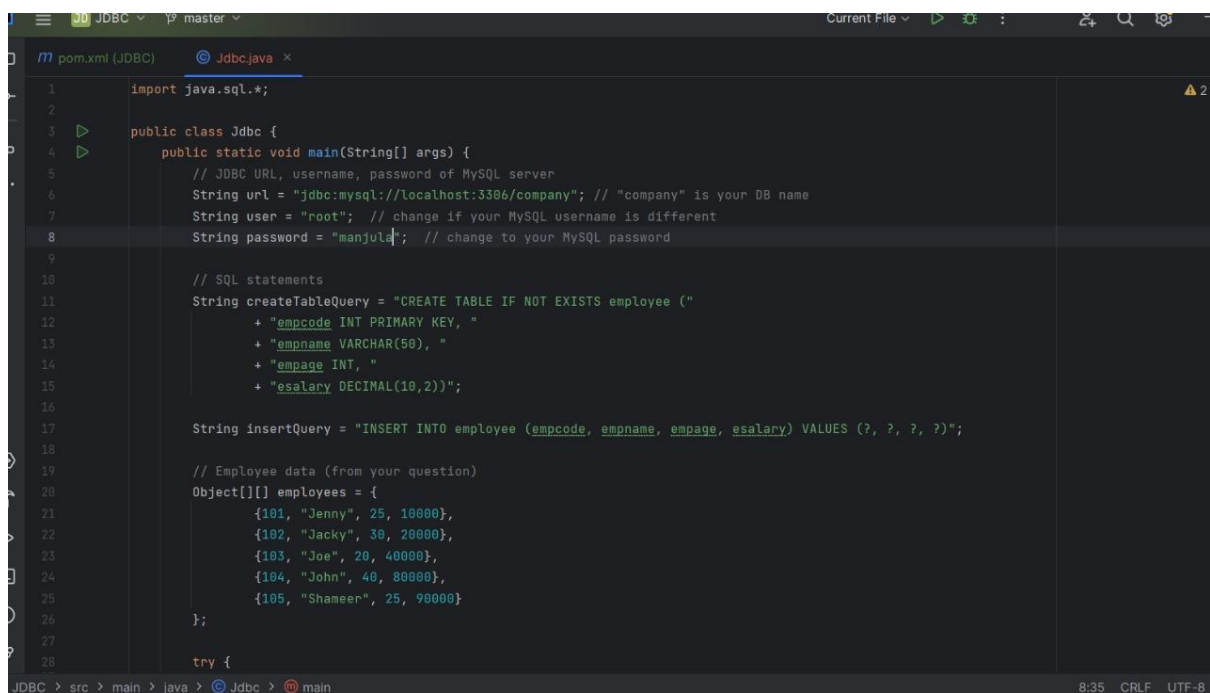
Wrap Cell Content:

	ename
▶	SCOTT

2. Write a program for JDBC to connectivity and insert the below data.

empcode	empname	empage	esalary
101	Jenny	25	10000
102	Jacky	30	20000
103	Joe	20	40000
104	John	40	80000
105	Shameer	25	90000

Output:



```
1 import java.sql.*;
2
3 public class Jdbc {
4     public static void main(String[] args) {
5         // JDBC URL, username, password of MySQL server
6         String url = "jdbc:mysql://localhost:3306/company"; // "company" is your DB name
7         String user = "root"; // change if your MySQL username is different
8         String password = "manjul"; // change to your MySQL password
9
10        // SQL statements
11        String createTableQuery = "CREATE TABLE IF NOT EXISTS employee ("
12            + "empcode INT PRIMARY KEY, "
13            + "empname VARCHAR(50), "
14            + "empage INT, "
15            + "esalary DECIMAL(10,2))";
16
17        String insertQuery = "INSERT INTO employee (empcode, empname, empage, esalary) VALUES (?, ?, ?, ?)";
18
19        // Employee data (from your question)
20        Object[][] employees = {
21            {101, "Jenny", 25, 10000},
22            {102, "Jacky", 30, 20000},
23            {103, "Joe", 20, 40000},
24            {104, "John", 40, 80000},
25            {105, "Shameer", 25, 90000}
26        };
27
28        try {
```

The screenshot shows an IDE with a Java file named Jdbc.java. The code imports java.sql.* and defines a public class Jdbc with a main method. Inside the main method, it sets up JDBC connection details (url, user, password) and defines two SQL queries: one to create an 'employee' table with columns empcode, empname, empage, and esalary, and another to insert data into the table. The data is stored in a 2D array named 'employees' with 5 rows of employee information. The code is currently at the 'try' block, indicating it is about to execute the database operations.

```

pom.xml (JDBC)  Jdbc.java x
28     try {
29         // Load MySQL JDBC driver
30         Class.forName( "com.mysql.cj.jdbc.Driver");
31
32         // Establish connection
33         Connection con = DriverManager.getConnection(url, user, password);
34         System.out.println(" Connected to Database Successfully!");
35
36         // Create table if not exists
37         Statement stmt = con.createStatement();
38         stmt.executeUpdate(createTableQuery);
39         System.out.println(" Table created (if not already).");
40
41         // Insert data
42         PreparedStatement ps = con.prepareStatement(insertQuery);
43
44         for (Object[] emp : employees) {
45             ps.setInt( parameterIndex: 1, (int) emp[0]);
46             ps.setString( parameterIndex: 2, (String) emp[1]);
47             ps.setInt( parameterIndex: 3, (int) emp[2]);
48             ps.setDouble( parameterIndex: 4, (double) ((Number) emp[3]).doubleValue());
49             ps.executeUpdate();
50         }
51
52         System.out.println(" Data inserted successfully!");
53
54
55         ps.close();

```

```

pom.xml (JDBC)  Jdbc.java x
41         // Insert data
42         PreparedStatement ps = con.prepareStatement(insertQuery);
43
44         for (Object[] emp : employees) {
45             ps.setInt( parameterIndex: 1, (int) emp[0]);
46             ps.setString( parameterIndex: 2, (String) emp[1]);
47             ps.setInt( parameterIndex: 3, (int) emp[2]);
48             ps.setDouble( parameterIndex: 4, (double) ((Number) emp[3]).doubleValue());
49             ps.executeUpdate();
50         }
51
52         System.out.println(" Data inserted successfully!");
53
54         |
55         ps.close();
56         stmt.close();
57         con.close();
58
59     } catch (Exception e) {
60         e.printStackTrace();
61     }
62 }
63 }

```

Output:

```

42     empname VARCHAR(50),
43     empage INT,
44     esalary DECIMAL(10,2)
45 );
46 • select * from employee;
47 • USE company;
48 • select * from employee;

```

empcode	empname	empage	esalary
101	Jenny	25	10000.00
102	Jacky	30	20000.00
103	Joe	20	40000.00
104	John	40	80000.00
105	Shameer	25	90000.00
NULL	NULL	NULL	NULL

MONGODB

1. Find all the information about each products

```

productsDB> db.product.find().pretty()
[
  {
    _id: ObjectId('68a44179c12085dea6f5189e'),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId('68a44179c12085dea6f5189f'),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518a0'),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518a1'),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518a2'),
    id: '5',
    product_name: 'Sleek Cotton Chair',

```

```
mongosh mongodb://127.0.0.1:27017/
> use products
products
> find()
{
  product_price: 33,
  product_material: 'Fresh',
  product_color: 'black'
},
{
  _id: ObjectId('68a44179c12085dea6f518a3'),
  id: '6',
  product_name: 'Awesome Wooden Towels',
  product_price: 474,
  product_material: 'Plastic',
  product_color: 'orange'
},
{
  _id: ObjectId('68a44179c12085dea6f518a4'),
  id: '7',
  product_name: 'Practical Soft Shoes',
  product_price: 500,
  product_material: 'Rubber',
  product_color: 'pink'
},
{
  _id: ObjectId('68a44179c12085dea6f518a5'),
  id: '8',
  product_name: 'Incredible Steel Hat',
  product_price: 78,
  product_material: 'Rubber',
  product_color: 'violet'
},
{
  _id: ObjectId('68a44179c12085dea6f518a6'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
},
{
  _id: ObjectId('68a44179c12085dea6f518a7'),
  id: '10',
}
```

```
{
  _id: ObjectId('68a44179c12085dea6f518a7'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
},
{
  _id: ObjectId('68a44179c12085dea6f518a8'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
},
{
  _id: ObjectId('68a44179c12085dea6f518a9'),
  id: '12',
  product_name: 'Unbranded Plastic Salad',
  product_price: 89,
  product_material: 'Wooden',
  product_color: 'pink'
},
{
  _id: ObjectId('68a44179c12085dea6f518aa'),
  id: '13',
  product_name: 'Gorgeous Cotton Keyboard',
  product_price: 37,
  product_material: 'Concrete',
  product_color: 'sky blue'
},
{
  _id: ObjectId('68a44179c12085dea6f518ab'),
  id: '14',
  product_name: 'Incredible Steel Shirt',
  product_price: 54,
  product_material: 'Metal',
  product_color: 'white'
}
```

```
}
{
  _id: ObjectId('68a44179c12085dea6f518ac'),
  id: '15',
  product_name: 'Ergonomic Cotton Hat',
  product_price: 43,
  product_material: 'Rubber',
  product_color: 'mint green'
},
{
  _id: ObjectId('68a44179c12085dea6f518ad'),
  id: '16',
  product_name: 'Small Soft Chair',
  product_price: 47,
  product_material: 'Cotton',
  product_color: 'teal'
},
{
  _id: ObjectId('68a44179c12085dea6f518ae'),
  id: '17',
  product_name: 'Incredible Metal Car',
  product_price: 36,
  product_material: 'Fresh',
  product_color: 'indigo'
},
{
  _id: ObjectId('68a44179c12085dea6f518af'),
  id: '18',
  product_name: 'Licensed Plastic Bacon',
  product_price: 88,
  product_material: 'Steel',
  product_color: 'yellow'
},
{
  _id: ObjectId('68a44179c12085dea6f518b0'),
  id: '19',
  product_name: 'Intelligent Cotton Chips',
  product_price: 46,
  product_material: 'Soft',
}
```



```

    id: '17',
    product_name: 'Incredible Metal Car',
    product_price: 36,
    product_material: 'Fresh',
    product_color: 'indigo'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518af'),
    id: '18',
    product_name: 'Licensed Plastic Bacon',
    product_price: 88,
    product_material: 'Steel',
    product_color: 'yellow'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518b0'),
    id: '19',
    product_name: 'Intelligent Cotton Chips',
    product_price: 46,
    product_material: 'Soft',
    product_color: 'azure'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518b1'),
    id: '20',
    product_name: 'Handcrafted Wooden Bacon',
    product_price: 36,
    product_material: 'Concrete',
    product_color: 'lime'
  }
}

type "it" for more
productsDB> it
{
  _id: ObjectId('68a44179c12085dea6f518b2'),
  id: '21',
  product_name: 'Unbranded Granite Chicken',
  product_price: 90,

```

```
mongosh mongodb://127.0.0.1:27020/ > use productsDB
productsDB> use products
products> find()
{
  "product_name": "Unbranded Granite Chicken",
  "product_price": 90,
  "product_material": "Metal",
  "product_color": "gold",
  "_id": ObjectId("68a44179c12085dea6f518b3"),
  "id": "22",
  "product_name": "Ergonomic Soft Hat",
  "product_price": 99,
  "product_material": "Rubber",
  "product_color": "black",
  "_id": ObjectId("68a44179c12085dea6f518b4"),
  "id": "23",
  "product_name": "Intelligent Steel Pizza",
  "product_price": 95,
  "product_material": "Cotton",
  "product_color": "azure",
  "_id": ObjectId("68a44179c12085dea6f518b5"),
  "id": "24",
  "product_name": "Tasty Rubber Cheese",
  "product_price": 47,
  "product_material": "Frozen",
  "product_color": "orchid",
  "_id": ObjectId("68a44179c12085dea6f518b6"),
  "id": "25",
  "product_name": "Licensed Steel Car",
  "product_price": 20,
  "product_material": "Cotton",
  "product_color": "indigo"
}
```

2. Find the product price which are between 400 to 800

```

productsDB> db.product.find(
...   { product_price: { $gte: 400, $lte: 800 } }
... ).pretty()
...
[
  {
    _id: ObjectId('68a44179c12085dea6f5189e'),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518a0'),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518a1'),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518a3'),
    id: '6',

```

```

    product_price: 474,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518a3'),
    id: '6',
    product_name: 'Awesome Wooden Towels',
    product_price: 474,
    product_material: 'Plastic',
    product_color: 'orange'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518a4'),
    id: '7',
    product_name: 'Practical Soft Shoes',
    product_price: 500,
    product_material: 'Rubber',
    product_color: 'pink'
  }
]
productsDB>

```

3. Find the product price which are not between 400 to 600

```
productsDB> db.product.find({ $or: [ { product_price: { $lt: 400 } }, { product_price: { $gt: 600 } } ] }).p
[
  {
    _id: ObjectId('68a44179c12085dea6f5189e'),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId('68a44179c12085dea6f5189f'),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518a0'),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518a2'),
    id: '5',
    product_name: 'Sleek Cotton Chair',
    product_price: 33,
    product_material: 'Fresh',
    product_color: 'black'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518a5'),
    id: '8',
    product_name: 'Incredible Steel Hat',
    product_price: 78,

```

```
mongosh mongodb://127.0.0.1:27020/
{
  _id: ObjectId('68a44179c12085dea6f518a5'),
  id: '8',
  product_name: 'Incredible Steel Hat',
  product_price: 78,
  product_material: 'Rubber',
  product_color: 'violet'
},
{
  _id: ObjectId('68a44179c12085dea6f518a6'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
},
{
  _id: ObjectId('68a44179c12085dea6f518a7'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
},
{
  _id: ObjectId('68a44179c12085dea6f518a8'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
},
{
  _id: ObjectId('68a44179c12085dea6f518a9'),
  id: '12',
  product_name: 'Unbranded Plastic Salad',
  product_price: 89,
  product_material: 'Wooden',
  product_color: 'pink'
},

```

```
_id: ObjectId('68a44179c12085dea6f518aa'),  
id: '13',  
product_name: 'Gorgeous Cotton Keyboard',  
product_price: 37,  
product_material: 'Concrete',  
product_color: 'sky blue'
```

```
_id: ObjectId('68a44179c12085dea6f518ab'),  
id: '14',  
product_name: 'Incredible Steel Shirt',  
product_price: 54,  
product_material: 'Metal',  
product_color: 'white'
```

```
_id: ObjectId('68a44179c12085dea6f518ac'),  
id: '15',  
product_name: 'Ergonomic Cotton Hat',  
product_price: 43,  
product_material: 'Rubber',  
product_color: 'mint green'
```

```
_id: ObjectId('68a44179c12085dea6f518ad'),  
id: '16',  
product_name: 'Small Soft Chair',  
product_price: 47,  
product_material: 'Cotton',  
product_color: 'teal'
```

```
_id: ObjectId('68a44179c12085dea6f518ae'),  
id: '17',  
product_name: 'Incredible Metal Car',  
product_price: 36,  
product_material: 'Fresh',  
product_color: 'indigo'
```

```
_id: ObjectId('68a44179c12085dea6f518b0'),
id: '19',
product_name: 'Intelligent Cotton Chips',
product_price: 46,
product_material: 'Soft',
product_color: 'azure'
,
_id: ObjectId('68a44179c12085dea6f518b1'),
id: '20',
product_name: 'Handcrafted Wooden Bacon',
product_price: 36,
product_material: 'Concrete',
product_color: 'lime'
,
_id: ObjectId('68a44179c12085dea6f518b2'),
id: '21',
product_name: 'Unbranded Granite Chicken',
product_price: 90,
product_material: 'Metal',
product_color: 'gold'
,
_id: ObjectId('68a44179c12085dea6f518b3'),
id: '22',
product_name: 'Ergonomic Soft Hat',
product_price: 99,
product_material: 'Rubber',
product_color: 'black'
,
_id: ObjectId('68a44179c12085dea6f518b4'),
id: '23',
product_name: 'Intelligent Steel Pizza',
product_price: 95,
product_material: 'Cotton',
product_color: 'azure'
```



```

_id: ObjectId('68a44179c12085dea6f518b0'),
id: '18',
product_name: 'Intelligent Cotton Chips',
product_price: 46,
product_material: 'Ice',
product_color: 'azure'

_id: ObjectId('68a44179c12085dea6f518b1'),
id: '19',
product_name: 'Handcrafted Wooden Bacon',
product_price: 36,
product_material: 'Concrete',
product_color: 'lime'

_id: ObjectId('68a44179c12085dea6f518b2'),
id: '21',
product_name: 'Unbranded Granite Chicken',
product_price: 90,
product_material: 'Metal',
product_color: 'gold'

_id: ObjectId('68a44179c12085dea6f518b3'),
id: '22',
product_name: 'Ergonomic Soft Hat',
product_price: 99,
product_material: 'Rubber',
product_color: 'black'

_id: ObjectId('68a44179c12085dea6f518b4'),
id: '23',
product_name: 'Intelligent Steel Pizza',
product_price: 95,
product_material: 'Cotton',
product_color: 'azure'

```

```

productsDB> it
[
  {
    _id: ObjectId('68a44179c12085dea6f518b5'),
    id: '24',
    product_name: 'Tasty Rubber Cheese',
    product_price: 47,
    product_material: 'Frozen',
    product_color: 'orchid'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518b6'),
    id: '25',
    product_name: 'Licensed Steel Car',
    product_price: 20,
    product_material: 'Cotton',
    product_color: 'indigo'
  }
]
productsDB>

```

4. List the four product which are greater than 500 in price

```
productsDB> db.product.find({ product_price: { $gt: 500 } }).limit(4).pretty()
[
  {
    _id: ObjectId('68a44179c12085dea6f5189e'),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId('68a44179c12085dea6f5189f'),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518a0'),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  }
]
productsDB> |
```

5. Find the product name and product material of each products

```
productsDB> db.product.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: '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'
,
be "it" for more
productsDB>

```

6. Find the product with a row id of 10

```

]
productsDB> db.product.find({ id: "10" }).pretty()
[
  {
    _id: ObjectId('68a44179c12085dea6f518a7'),
    id: '10',
    product_name: 'Generic Wooden Pizza',
    product_price: 84,
    product_material: 'Frozen',
    product_color: 'indigo'
  }
]
productsDB>

```

7. Find only the product name and product material

```
productsDB> db.product.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: 'Licensed Plastic Bacon', product_material: 'Steel' },
  {
    product_name: 'Intelligent Cotton Chips',
    product_material: 'Soft'
  },
  {
    product_name: 'Handcrafted Wooden Bacon',
    product_material: 'Concrete'
  }
]
Type "it" for more
productsDB> |
```

8. Find all products which contain the value of soft in product material

```
Type "it" for more
productsDB> db.product.find({ product_material: { $regex: /Soft/i } }).pretty()
[
  {
    _id: ObjectId('68a44179c12085dea6f518a1'),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518a6'),
    id: '9',
    product_name: 'Awesome Wooden Ball',
    product_price: 28,
    product_material: 'Soft',
    product_color: 'azure'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518a8'),
    id: '11',
    product_name: 'Unbranded Wooden Cheese',
    product_price: 26,
    product_material: 'Soft',
    product_color: 'black'
  },
  {
    _id: ObjectId('68a44179c12085dea6f518b0'),
    id: '19',
    product_name: 'Intelligent Cotton Chips',
    product_price: 46,
    product_material: 'Soft',
    product_color: 'azure'
  }
]
productsDB>
```

9. Find products which contain product color indigo and product price 492.00

```
productsDB> db.product.find({ product_color: "indigo", product_price: 492 }).pretty()  
productsDB> |
```

10. Delete the products which product price value are 28

```
productsDB> db.product.deleteMany({ product_price: 28 })  
{ acknowledged: true, deletedCount: 1 }  
productsDB> |
```