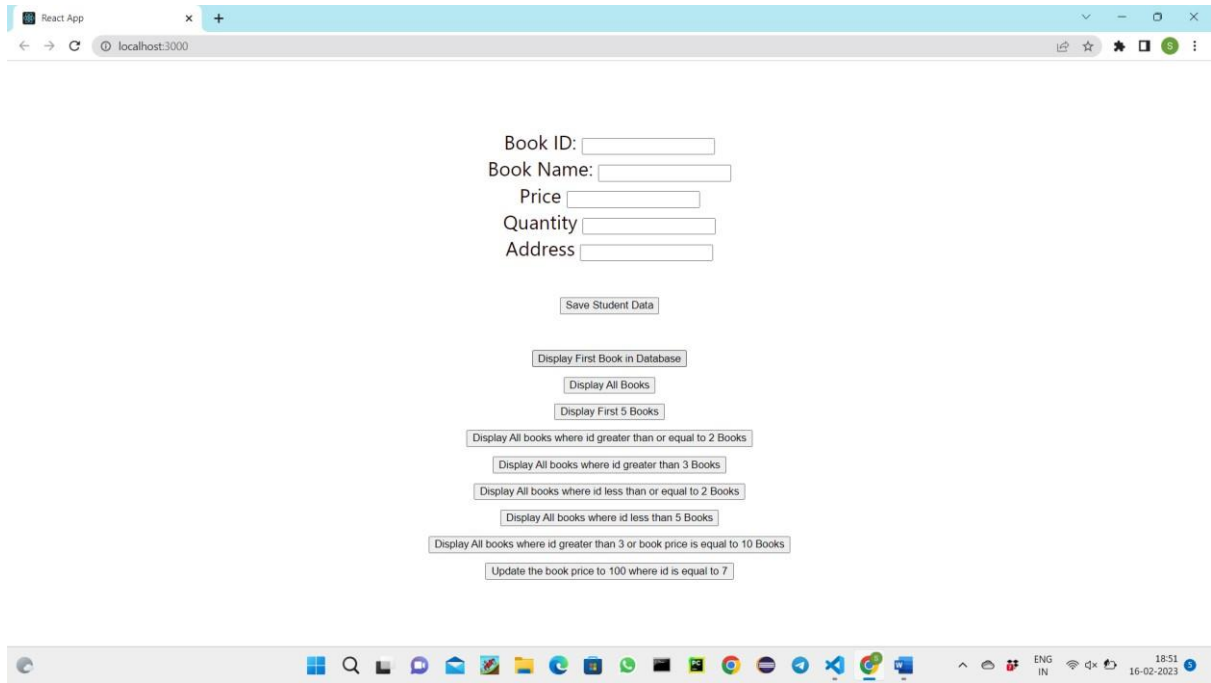


## SKILL-6

ID: 2100031023 Name: S

Likith Sai Reddy

OUTPUT:



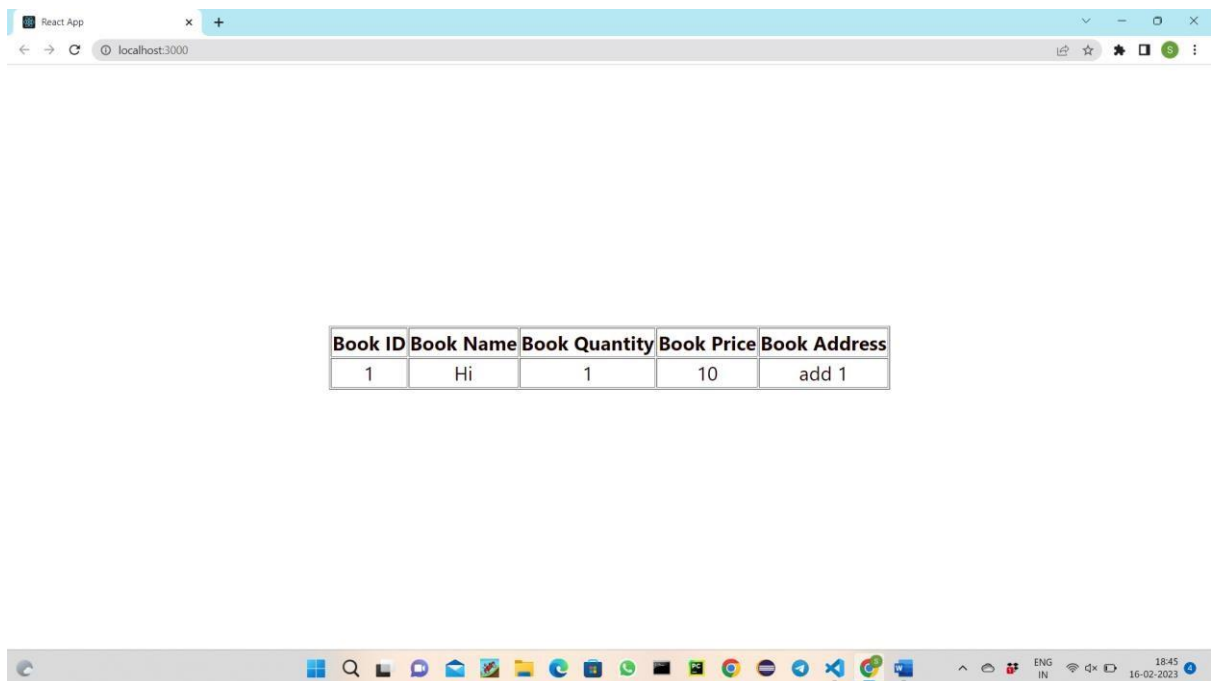
Book ID:

Book Name:

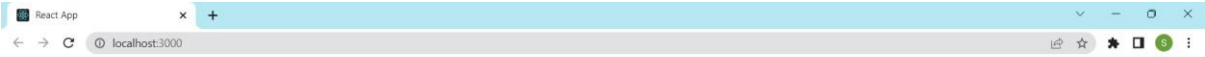
Price

Quantity

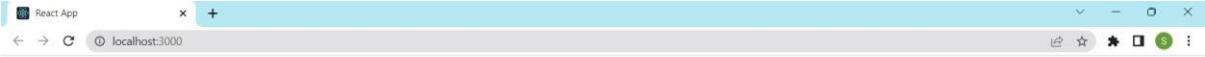
Address



| Book ID | Book Name | Book Quantity | Book Price | Book Address |
|---------|-----------|---------------|------------|--------------|
| 1       | Hi        | 1             | 10         | add 1        |



| Book ID | Book Name | Book Quantity | Book Price | Book Address |
|---------|-----------|---------------|------------|--------------|
| 1       | Hi        | 1             | 10         | add 1        |
| 2       | hello     | 2             | 20         | add 2        |
| 3       | how       | 3             | 30         | add 3        |
| 4       | are       | 4             | 40         | add 4        |
| 5       | you       | 5             | 50         | add 5        |
| 6       | fine      | 6             | 60         | add 6        |
| 7       | what      | 7             | 70         | add 7        |

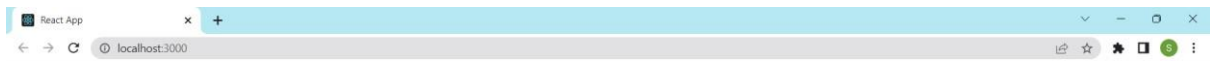


| Book ID | Book Name | Book Quantity | Book Price | Book Address |
|---------|-----------|---------------|------------|--------------|
| 1       | Hi        | 1             | 10         | add 1        |
| 2       | hello     | 2             | 20         | add 2        |
| 3       | how       | 3             | 30         | add 3        |
| 4       | are       | 4             | 40         | add 4        |
| 5       | you       | 5             | 50         | add 5        |



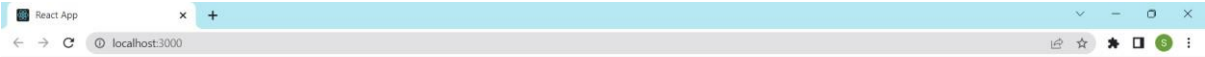


| Book ID | Book Name | Book Quantity | Book Price | Book Address |
|---------|-----------|---------------|------------|--------------|
| 2       | hello     | 2             | 20         | add 2        |
| 3       | how       | 3             | 30         | add 3        |
| 4       | are       | 4             | 40         | add 4        |
| 5       | you       | 5             | 50         | add 5        |
| 6       | fine      | 6             | 60         | add 6        |
| 7       | what      | 7             | 70         | add 7        |

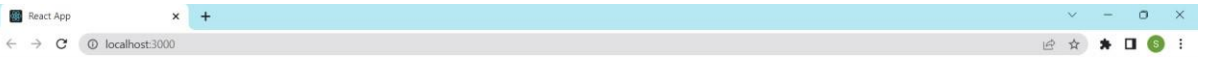


| Book ID | Book Name | Book Quantity | Book Price | Book Address |
|---------|-----------|---------------|------------|--------------|
| 4       | are       | 4             | 40         | add 4        |
| 5       | you       | 5             | 50         | add 5        |
| 6       | fine      | 6             | 60         | add 6        |
| 7       | what      | 7             | 70         | add 7        |



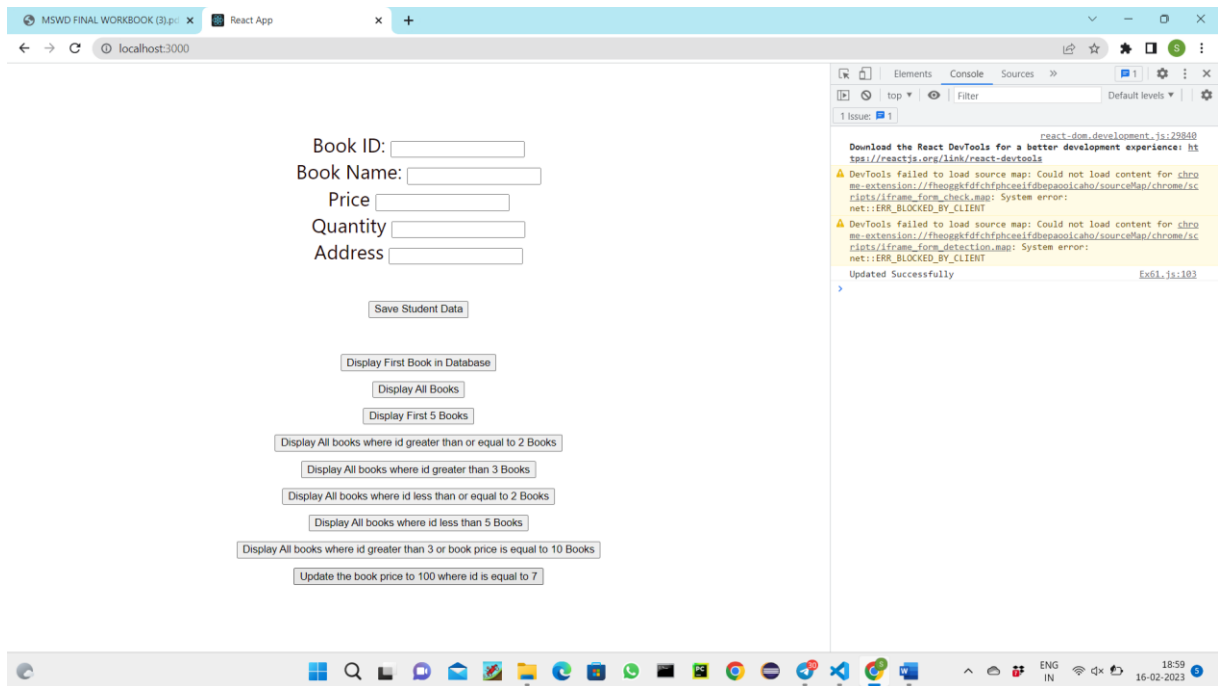
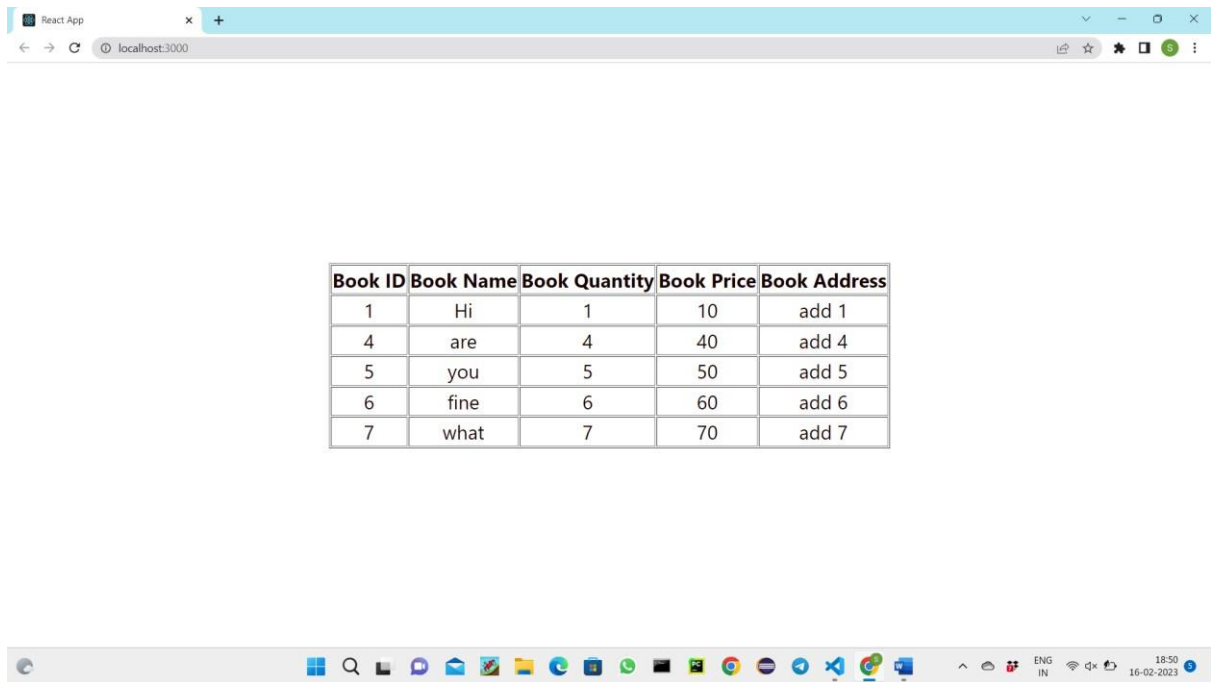


| Book ID | Book Name | Book Quantity | Book Price | Book Address |
|---------|-----------|---------------|------------|--------------|
| 1       | Hi        | 1             | 10         | add 1        |
| 2       | hello     | 2             | 20         | add 2        |



| Book ID | Book Name | Book Quantity | Book Price | Book Address |
|---------|-----------|---------------|------------|--------------|
| 1       | Hi        | 1             | 10         | add 1        |
| 2       | hello     | 2             | 20         | add 2        |
| 3       | how       | 3             | 30         | add 3        |
| 4       | are       | 4             | 40         | add 4        |







| Book ID | Book Name | Book Quantity | Book Price | Book Address |
|---------|-----------|---------------|------------|--------------|
| 1       | Hi        | 1             | 10         | add 1        |
| 2       | hello     | 2             | 20         | add 2        |
| 3       | how       | 3             | 30         | add 3        |
| 4       | are       | 4             | 40         | add 4        |
| 5       | you       | 5             | 50         | add 5        |
| 6       | fine      | 6             | 60         | add 6        |
| 7       | what      | 7             | 100        | add 7        |



### App.js:

```
// import logo from './logo.jpg'; // import klu from './klu.png';
import './App.css'; import Ex61 from './components/Ex61' import Ex63
from './components/Ex63' import { BrowserRouter, Routes, Route } from
'react-router-dom'; //npm i react-router-dom to install react-router-
dom package in client cmd
//BrowserRouter, Routes and Route are used to route from one page to another
like from signup to login etc.
// import { Container, Toolbar, AppBar } from '@material-ui/core'; //npm i
@material-ui/core --force to install @material-ui/core package in client cmd

function App() {
  // function opetarion(){
  //   let vl=document.getElementById("Value");
  //   vl.value="1";
  // }
  return(
    <div className="App">

      <div className='App-body'>
        <BrowserRouter>
          <Routes>
            <Route path="/" element={<Ex61 />} />
            {/* <Route path='/ex63' element={<Ex63 />} /> */}
          </Routes>
        </BrowserRouter>
      </div>
    </div>

  );
} export default
App;
```

### App.css:

```
.App {  text-align: center;
}
```

```
.App-logo {
```



```
    height: 20vmin;    pointer-
events: none;
}

.App-klu {    height:
50px;    width: 150px;
pointer-events: none;
margin-left: 80px;
border-radius: 30px;
margin-right: 5px;
margin-bottom: 10px;
}

.App-kl{    display:
flex;    flex-
direction: row;
align-items: center;
text-align: center;
}

/* .App-header {    background-
color: #282c34;    min-height:
20vh;    display: flex;    align-
items: center;    justify-
content: center;    font-size:
calc(10px + 2vmin);    color:
white;
} */

.App-Header{    font-
size: 20px;    margin-
bottom: 10px;
}

.App-para{    font-
size: 15px;
display: flex;
flex-direction: row;
align-items: center;
text-align: center;
}

.App-color{    background-
color: white;
    /* background-color: #15b1ff; */    border-
radius: 30px;
```



```
border :7px solid rgb(116, 116, 197);  
padding: 10px;  
}
```

```
.App-para1{  
display: flex;  
align-items: center;  
margin-left: 60px;  
color: blue; font-  
weight: bold; font-  
size: 20px;  
}
```

```
.App-para2{  
display: flex;  
align-items: center;  
color: green;  
margin-left: 70px;  
font-weight: bold;  
}
```

```
.App-para3{  
display: flex;  
align-items: center;  
margin-left: 20px;  
color: green; font-  
weight: bold;  
}
```

```
.App-para4{  
display: flex;  
align-items: center;  
margin-left: 130px;  
color: red; font-  
weight: bold;  
}
```

```
.App-body { background-  
color:white; min-height:  
100vh; display: flex;  
align-items: center; justify-  
content: center; font-size:  
calc(10px + 2vmin); color:  
rgb(21, 1, 1);  
}
```

```
.App-idcard {
```

```

/* border:1px solid red; */
background-color: white;
padding: 20px; height: 420px;
width: 350px; display: block;
align-items: center; justify-
content: center; font-size:
calc(10px + 2vmin); color:
rgb(21, 1, 1);
/* box-shadow: 10px 10px 5px rgb(60, 206, 255) inset; */ box-shadow: 0
4px 8px 0 rgb(146, 252, 16), 0 6px 20px 0 rgb(16, 186, 233); border-
radius: 30px; border :7px solid rgb(70, 255, 53); }

.App-inputval{
width:200px; height:
50px; margin-bottom:
10px;
}


.App-plus{
height: 50px;
width: 50px;
}

.App-zero{ height:
50px; width: 50px;
margin-right: 50px;
margin-left: 50px;
}

.App-link {
color: #61dafb;
}

@keyframes App-logo-spin {
from { transform:
rotate(0deg);
} to { transform:
rotate(360deg);
}
}

```



**Ex61.js:**



```

import { RepeatOneSharp } from "@mui/icons-
material"; import axios from "axios"; import {
useState } from "react";
function Ex61()
{
    const [result,setResult] =
useState(null);
    const isDict = dict => {          return typeof dict ===
"object" && !Array.isArray(dict);    };          function
handleSubmit(event) {                event.preventDefault();
const data = new FormData(event.currentTarget);
axios.post('http://localhost:8086/insert_book', {
book_id: parseInt(data.get("book_id")),          book_name:
data.get("book_name"),          book_price:
data.get("book_price"),          book_quantity:
data.get("book_quantity"),          book_address:
data.get("book_address")
}).then((resposnse)=>{
    console.log(resposnse.data);
})
}
function showOne() {
axios.get('http://localhost:8086/show_one_book', {params:{
}}).then((response)=>{
console.log(response.data)
setResult(response.data)
})
}
function showAll() {
    axios.get('http://localhost:8086/show_all_book', {params:{
}}).then((response)=>{
console.log(response.data)
setResult(response.data)
})
}
function
showAlllte5() {
    axios.get('http://localhost:8086/show_all_lte5_book', {params:{
}}).then((response)=>{

```

```
console.log(response.data)
```

```

    setResult(response.data)
  })
}
function showAllgte2() {
  axios.get('http://localhost:8086/show_all_gte2_book', {params:{
  }}).then((response)=>{
    console.log(response.data)
    setResult(response.data)
  })
}
function showAllgt3() {
  axios.get('http://localhost:8086/show_all_gt3_book', {params:{
  }}).then((response)=>{
    console.log(response.data)
    setResult(response.data)
  })
}
function showAlllte2() {
  axios.get('http://localhost:8086/show_all_lte2_book', {params:{
  }}).then((response)=>{
    console.log(response.data)
    setResult(response.data)
  })
}
function
showAlllt5() {
  axios.get('http://localhost:8086/show_all_lt5_book', {params:{
  }}).then((response)=>{
    console.log(response.data)
    setResult(response.data)
  })
}
function showAllgt3orbookpriceet10() {
  axios.get('http://localhost:8086/show_all_gt3_or_bookprice_equalto10_b ook',
  {params:{

  }}).then((response)=>{

```

```

    console.log(response.data)

```





```
setResult(response.data)
```

```

    })
  }
  function updateid7() {
    console.log("upd")
    axios.patch('http://localhost:8086/show_all_update', {params:{
      id: 7
    }}).then((response)=>{
      console.log(response.data)
      // setResult(response.data)
    })
  }
  if(result ==
null) {
    return(
      <div>
        <form onSubmit={handleSubmit}>
          Book ID: <input type="text" name="book_id" />
          <br/>
          Book Name: <input type="text" name="book_name" />
          <br/>
          Price <input type="text" name="book_price" />
          <br/>
          Quantity <input type="text" name="book_quantity" />
          <br/>
          Address <input type="text" name="book_address" />
          <br/><br/>
          <input type="submit" value="Save Student Data" />
        </form>
        <br/>
        <button onClick={()=>showOne()}>Display First Book in
Database</button>
        <br/>
        <button onClick={()=>showAll()}>Display All Books</button>
        <br/>
        <button onClick={()=>showAlllte5()}>Display First 5
Books</button>
        <br/>
        <button onClick={()=>showAllgte2()}>Display All books where id
greater than or equal to 2 Books</button>
        <br/>
        <button onClick={()=>showAllgt3()}>Display All books where id
greater than 3 Books</button>
        <br/>
        <button onClick={()=>showAlllte2()}>Display All books where id
less than or equal to 2 Books</button>
        <br/>
      </div>
    )
  }
}

```

```
<button onClick={()=>showAlllt5()}>Display All books where id
```

```

less than 5 Books</button>
    <br/>
    <button onClick={()=>showAllgt3orbookpriceet10()}>Display All
books where id greater than 3 or book price is equal to 10 Books</button>
    <br/>
    <button onClick={()=>updateid7()}>Update the book price to 100
where id is equal to 7 </button>
    <br/>
</div>
    );    }    else {
if(isDict(result)) {
return (
    <div>
        <table border="1">
            <tr>
                <th> Book ID </th>
                <th> Book Name </th>
                <th> Book Quantity </th>
                <th> Book Price </th>
                <th> Book Address </th>
            </tr>
            <tr>
                <td> {result.book_id} </td>
                <td> {result.book_name} </td>
                <td> {result.book_quantity} </td>
                <td> {result.book_price} </td>
                <td> {result.book_address} </td>
            </tr>
        </table>
    </div>
    );
    }
else {
console.log("java");
return (
    <div>
        <table border="1">
            <tr>
                <th> Book ID </th>
                <th> Book Name </th>
                <th> Book Quantity </th>
                <th> Book Price </th>
                <th> Book Address </th>

```

```

</tr>

```

```
{result.map((obj)=>{
    return(
      <tr>
        <td> {obj.book_id} </td>
        <td> {obj.book_name} </td>
        <td> {obj.book_quantity} </td>
        <td> {obj.book_price} </td>
        <td> {obj.book_address} </td>
      </tr>
    );
  })}
</table>
</div>
);
}
}
} export default
Ex61;
```

Server.js:

```

const express = require('express') const cors =
require('cors') const { MongoClient } =
require('mongodb') const { request, response } =
require('express')
  const app =
express()
app.use(cors())
app.use(express.json())
  const uri
=
"mongodb+srv://admin:rocky9886@cluster0.nczlwja.mongodb.net/?retryWrites=true&
w=majority" const client = new MongoClient(uri) client.connect()
//Experiment 6-1 var db =
client.db("ex6")
var col = db.collection("costumer")

app.get('/',(request,response) => {
response.send('This is a Server')
}) app.post('/insert_book', (request,response)
=> {

col = db.collection("costumer")

```



```
console.log(request.body)
```

```

col.insertOne(request.body)
response.send(request.body)
}) app.get('/show_one_book', (req, res)=>{
col = db.collection("costumer")
console.log(req.query)    async function
find(){                try{                const
result=await col.findOne()
console.log(result)                if(result
== null)
{
res.send({"Data_Retrieval":"Fail"})
}                else{
res.send(result)
}
}
finally{}
}
find().catch(console.dir)
}) app.get('/show_all_book', (req, res)=>{
col = db.collection("costumer")
console.log(req.query)    async function find(){
try{                const result=await
col.find().toArray()
console.log(result)                if(result == null)
{
console.log("sever");
res.send({"Data_Retrieval":"Fail"})
}                else{
res.send(result)
}
}
finally{}
}
find().catch(console.dir)
})

```

```

app.get('/show_all_lte5_book', (req, res)=>{

```





```
col = db.collection("costumer")    console.log(req.query)
```

```

async function find(){
  try{
    const result=await
    col.find({book_id:{$lte:5}}).toArray()
    console.log(result)
    if(result == null)
    {
      res.send({"Data_Retrieval":"Fail"})
    }
    else{
      res.send(result)
    }
  }
  finally{}
}
find().catch(console.dir)
})

app.get('/show_all_gte2_book', (req, res)=>{
  col =
  db.collection("costumer")
  console.log(req.query)
  async
  function find(){
    try{
      const result=await
      col.find({book_id:{$gte:2}}).toArray()
      console.log(result)
      if(result == null)
      {
        res.send({"Data_Retrieval":"Fail"})
      }
      else{
        res.send(result)
      }
    }
    finally{}
  }
  find().catch(console.dir)
})
app.get('/show_all_gt3_book', (req, res)=>{
  col =
  db.collection("costumer")
  console.log(req.query)
  async
  function find(){
    try{
      const result=await
      col.find({book_id:{$gt:3}}).toArray()
      console.log(result)
      if(result == null)
      {

```





```

        res.send({"Data_Retrieval":"Fail"})
    }
    else{
res.send(result)
    }
}
finally{}
    }
find().catch(console.dir)
}) app.get('/show_all_lte2_book', (req, res)=>{    col =
db.collection("costumer")    console.log(req.query)    async
function find(){        try{            const result=await
col.find({book_id:{$lte:2}}).toArray()
console.log(result)            if(result == null)
        {
res.send({"Data_Retrieval":"Fail"})
        }
        else{
res.send(result)
        }
    }
}
finally{}
    }
find().catch(console.dir)
})

app.get('/show_all_lt5_book', (req, res)=>{
col = db.collection("costumer")
console.log(req.query)    async function
find(){        try{
            const result=await
col.find({book_id:{$lt:5}}).toArray()
console.log(result)            if(result == null)
        {
            res.send({"Data_Retrieval":"Fail"})
        }
        else{
res.send(result)
        }
    }
}
finally{}
    }

```



```

        find().catch(console.dir)
    }) app.get('/show_all_gt3_or_bookprice_equalto10_book', (req,
res)=>{      col = db.collection("costumer")
console.log(req.query)      async function find(){          try{
const result=await
col.find({$or:[{book_price:"10"},{book_id:{$gt:3}}]}).toArray()
console.log(result)          if(result == null)
            {
res.send({"Data_Retrieval":"Fail"})
            }          else{
res.send(result)
            }
        }
    }
    finally{}
    }
    find().catch(console.dir)
    }) app.patch('/show_all_update',(req,
res)=>{      console.log("update")      col
= db.collection("costumer")
console.log(req.body)      const doc = {
        $set: {book_price:"100"}
    }
col.updateOne({book_id:7},doc)
res.send("Updated Successfully")

    // console.log(req.query)
    // async function find(){
    //   try{
    //     const result=await col.find().toArray()
    //     console.log(result)
    //     if(result == null)
    //     {
    //       console.log("sever");
    //       res.send({"Data_Retrieval":"Fail"})
    //     }
    //     else{
    //       res.send(result)
    //     }
    //   }
    // }

```

```
    // finally{}  
    // }  
    // find().catch(console.dir)  
  })  
  
app.listen(8086)  
console.log("server started")
```