

Develop the application that sends fruit name and price data from client side to Node.js server using Ajax.

STEPS TO FOLLOW:

- Open your USN folder in VS Code
- Create a new directory or folder called 6th_prog (else open this folder in VS Code)
- Get inside that folder (*If you have opened the 6th_prog folder in VS Code ignore this step*)
- Open Terminal in VS Code and write the following commands
 - npm init -y
 - npm install express body-parser
- Create a 2 new folder called server and client.
- Inside server folder create a new file called server.js and write the server/backend script.
- Inside client folder create 2 new file called index.html and script.js for your frontend/Client side and write the scripts here.

Server/server.js

```
const express = require('express');

const bodyParser = require('body-parser');

const app = express();

const path = require('path');

const port = 3000;

app.use(express.static(path.join(__dirname, '../client')));

app.use(bodyParser.json());

app.post('/addFruit', (req, res) => {

  const { name, price } = req.body;

  // console.log('Fruit Name: ${name}, Price: ${price}');

  console.log('Fruit Name: ' + name + ', Price: ' + price);

  res.send('Fruit data received');

});

app.listen(port, () => {

  // console.log(`Server running at http://localhost:${port}/`);

  console.log('Server running at http://localhost:'+port+'/');

});
```

Client/index.html

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Fruit App</title>

</head>

<body>

  <h1>Fruit App</h1>

  <form id="fruitForm">

    <label for="name">Fruit Name:</label>

    <input type="text" id="name" name="name" required>

    <br>

    <label for="price">Price:</label>

    <input type="number" id="price" name="price" required>

    <br>

    <button type="submit">Submit</button>

  </form>

  <script src="script.js"></script>

</body>

</html>
```

Client/script.js

```
document.getElementById('fruitForm').addEventListener('submit', function(event) {

  event.preventDefault();

  const name = document.getElementById('name').value;

  const price = document.getElementById('price').value;

  const xhr = new XMLHttpRequest();

  xhr.open('POST', 'http://localhost:3000/addFruit', true);
```

```
xhr.setRequestHeader('Content-Type', 'application/json;charset=UTF-8');

xhr.onreadystatechange = function() {

    if (xhr.readyState === XMLHttpRequest.DONE && xhr.status === 200) {

        alert('Data sent successfully');

    }

};

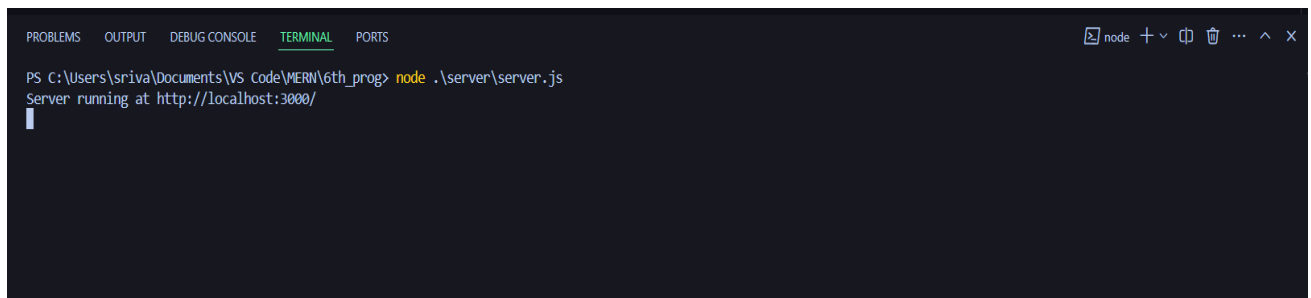
xhr.send(JSON.stringify({ name, price }));

});
```

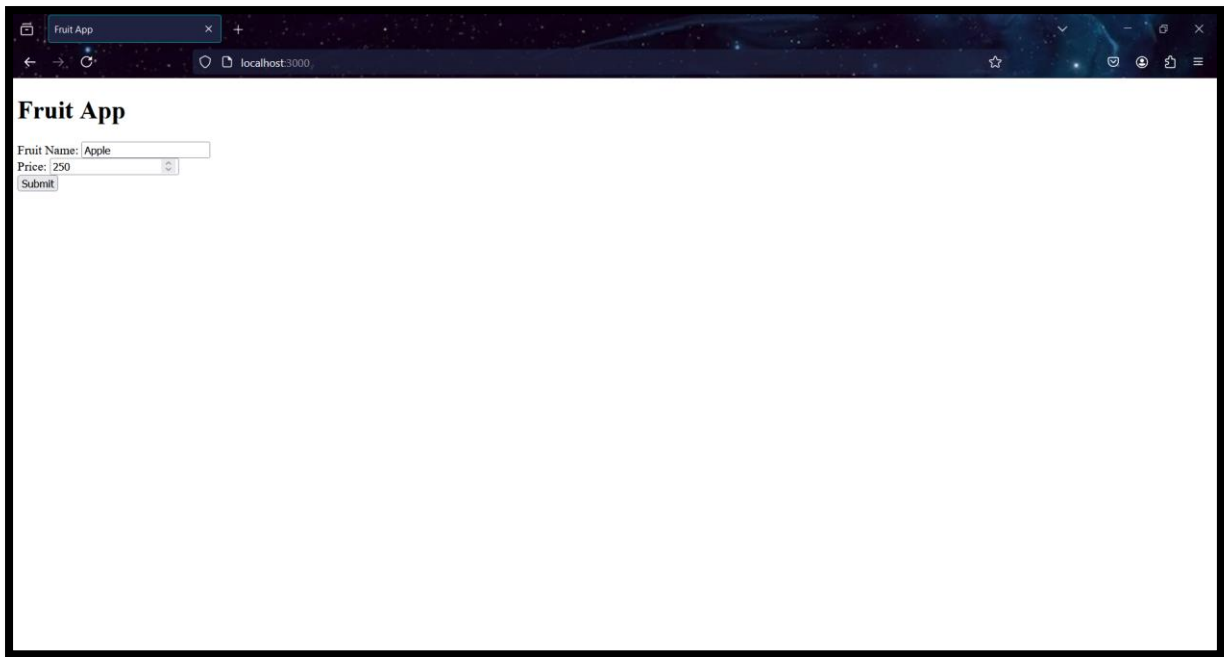
How to run the script

- Open terminal
- 2 ways to do it
 - 1st way
 - Cd server
 - node server.js
 - 2nd way
 - node server/server.js

Output



```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
PS C:\Users\sriya\Documents\VS Code\MERN\6th_prog> node .\server\server.js
Server running at http://localhost:3000/
```



Click on Submit and see the result in VS Code terminal

