

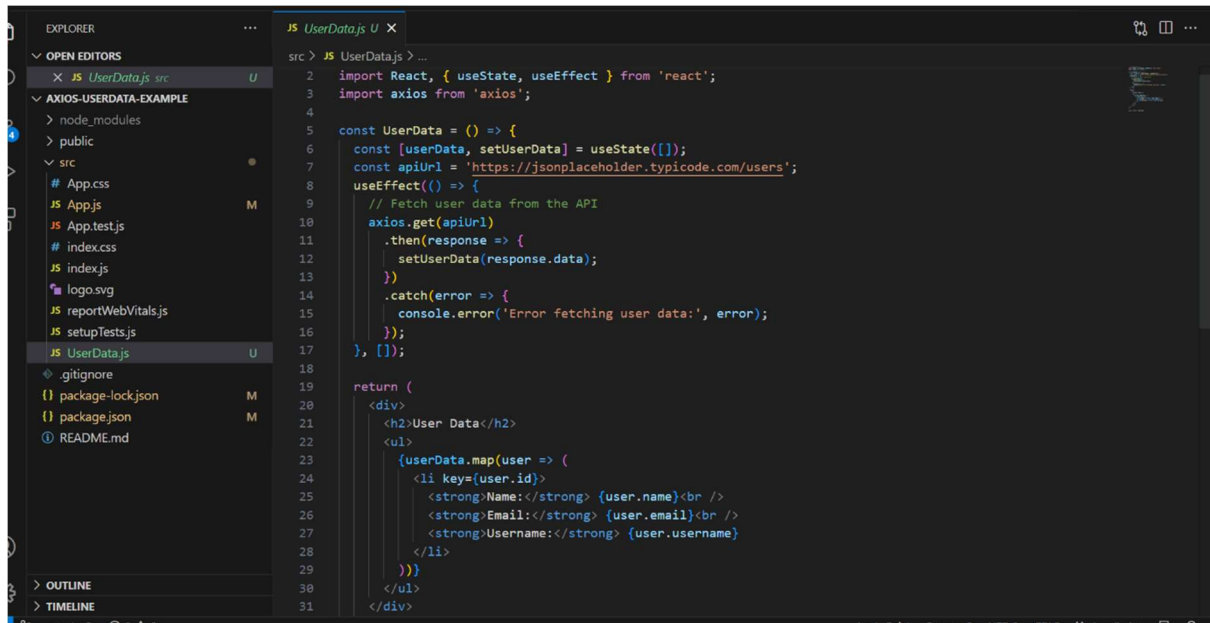
Lab experiment-6

1.

npx create-react-app axios-userdata-example

cd axios-userdata-example

code .



```
src > JS UserData.js > ...
 1  import React, { useState, useEffect } from 'react';
 2  import axios from 'axios';
 3
 4
 5  const UserData = () => {
 6    const [userData, setUserData] = useState([]);
 7    const apiUrl = 'https://jsonplaceholder.typicode.com/users';
 8    useEffect(() => {
 9      // Fetch user data from the API
10      axios.get(apiUrl)
11        .then(response => {
12          setUserData(response.data);
13        })
14        .catch(error => {
15          console.error('Error fetching user data:', error);
16        });
17    }, []);
18
19    return (
20      <div>
21        <h2>User Data</h2>
22        <ul>
23          {userData.map(user => (
24            <li key={user.id}>
25              <strong>Name:</strong> {user.name}<br />
26              <strong>Email:</strong> {user.email}<br />
27              <strong>Username:</strong> {user.username}
28            </li>
29          ))}
30        </ul>
31      </div>
32    );
33  };
```

// src/UserData.js

import React, { useState, useEffect } from 'react';

import axios from 'axios';

const UserData = () => {

const [userData, setUserData] = useState([]);

const apiUrl = 'https://jsonplaceholder.typicode.com/users'; // Replace with your API endpoint

useEffect(() => {

// Fetch user data from the API

axios.get(apiUrl)

.then(response => {

setUserData(response.data);

})

```

        .catch(error => {
            console.error('Error fetching user data:', error);
        });
    }, []);

    return (
        <div>
            <h2>User Data</h2>
            <ul>
                {userData.map(user => (
                    <li key={user.id}>
                        <strong>Name:</strong> {user.name}<br />
                        <strong>Email:</strong> {user.email}<br />
                        <strong>Username:</strong> {user.username}
                    </li>
                ))}
            </ul>
        </div>
    );
};

```

```
export default UserData;
```

```
// src/App.js
```

```
import React from 'react';
```

```
import UserData from './UserData';
```

```
function App() {
```

```
    return (
```

```
        <div className="App">
```

```
<header className="App-header">

  <h1>React Axios Example</h1>

</header>

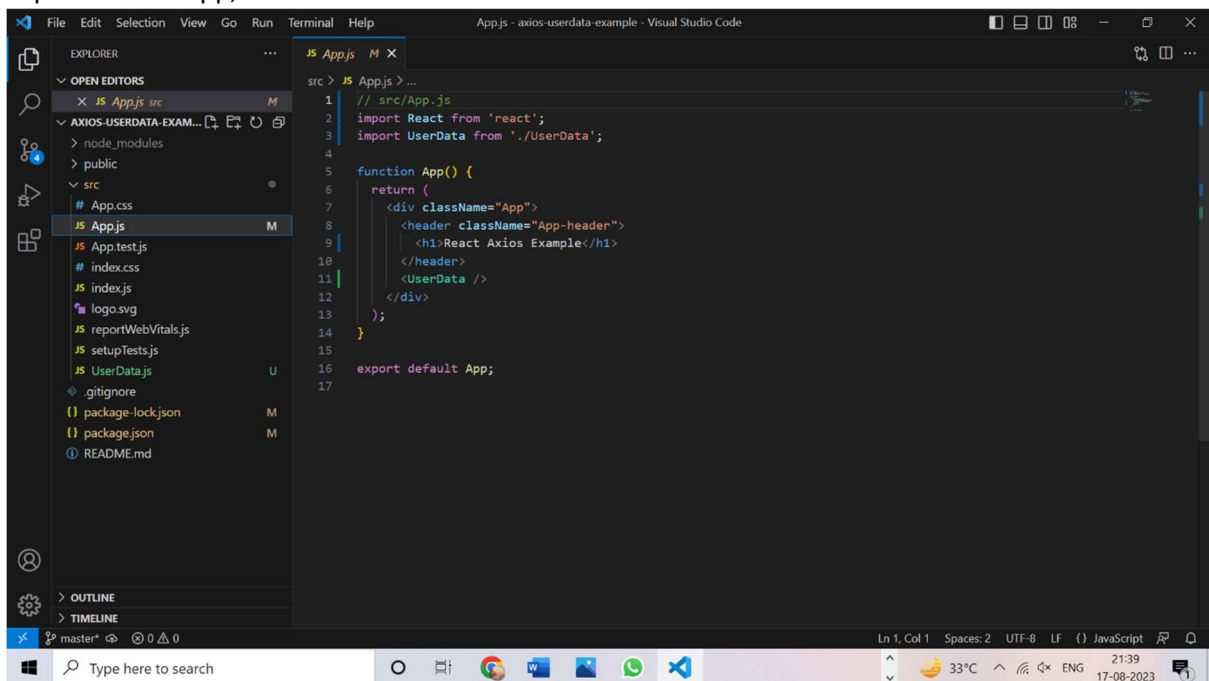
<UserData />

</div>

);

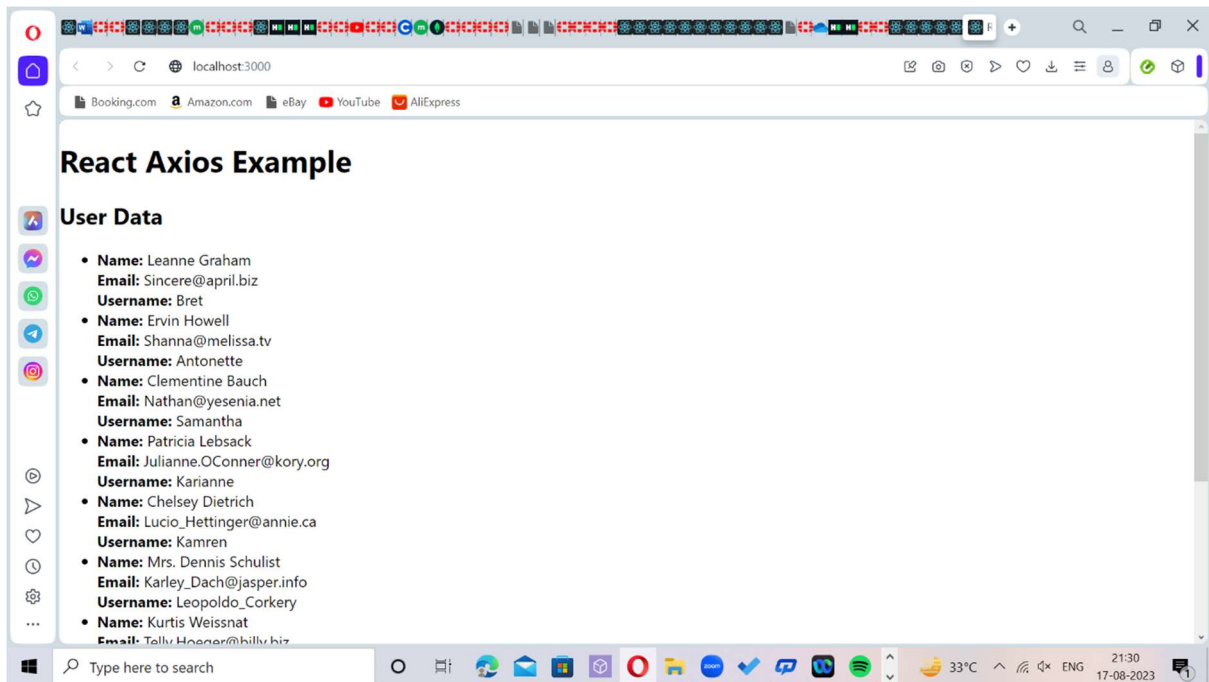
}
```

export default App;



*npm install axios

*npm start



2. // src/CreatePost.js

```
import React, { useState } from 'react';
```

```
import axios from 'axios';
```

```
const CreatePost = () => {
```

```
  const [title, setTitle] = useState("");
```

```
  const [body, setBody] = useState("");
```

```
  const handleSubmit = (e) => {
```

```
    e.preventDefault();
```

```
    // Create a new post object
```

```
    const newPost = {
```

```
      title: title,
```

```
      body: body,
```

```
    };
```

```

// Send a POST request to the API endpoint
axios.post('https://jsonplaceholder.typicode.com/posts', newPost)
  .then(response => {
    console.log('New post created:', response.data);
    // Clear the form fields
    setTitle("");
    setBody("");
  })
  .catch(error => {
    console.error('Error creating post:', error);
  });
};

```

```

return (
  <div>
    <h2>Create New Post</h2>
    <form onSubmit={handleSubmit}>
      <div>
        <label>Title:</label>
        <input
          type="text"
          value={title}
          onChange={(e) => setTitle(e.target.value)}
        />
      </div>
      <div>
        <label>Body:</label>
        <textarea
          value={body}
          onChange={(e) => setBody(e.target.value)}
        />

```

```

    </div>

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

  </form>

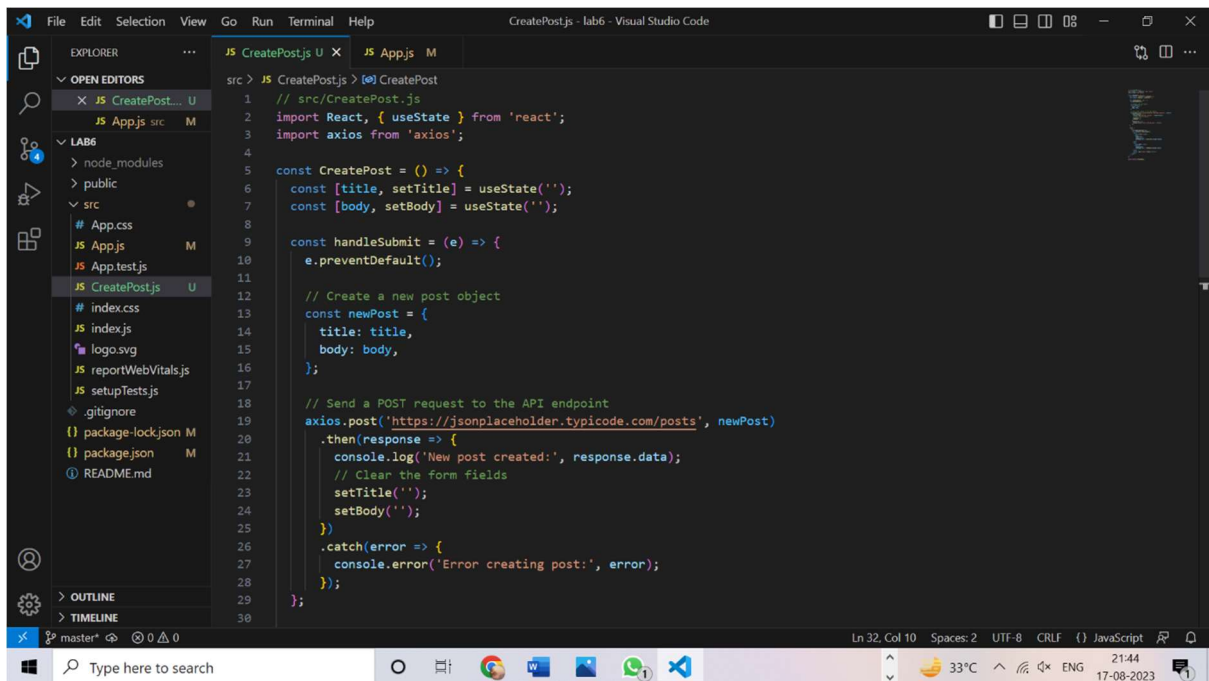
</div>

);

};

```

export default CreatePost;



```

// src/App.js

import React from 'react';

import CreatePost from './CreatePost';

function App() {
  return (
    <div className="App">
      <header className="App-header">
        <h1>React Axios Example</h1>
      </header>

```

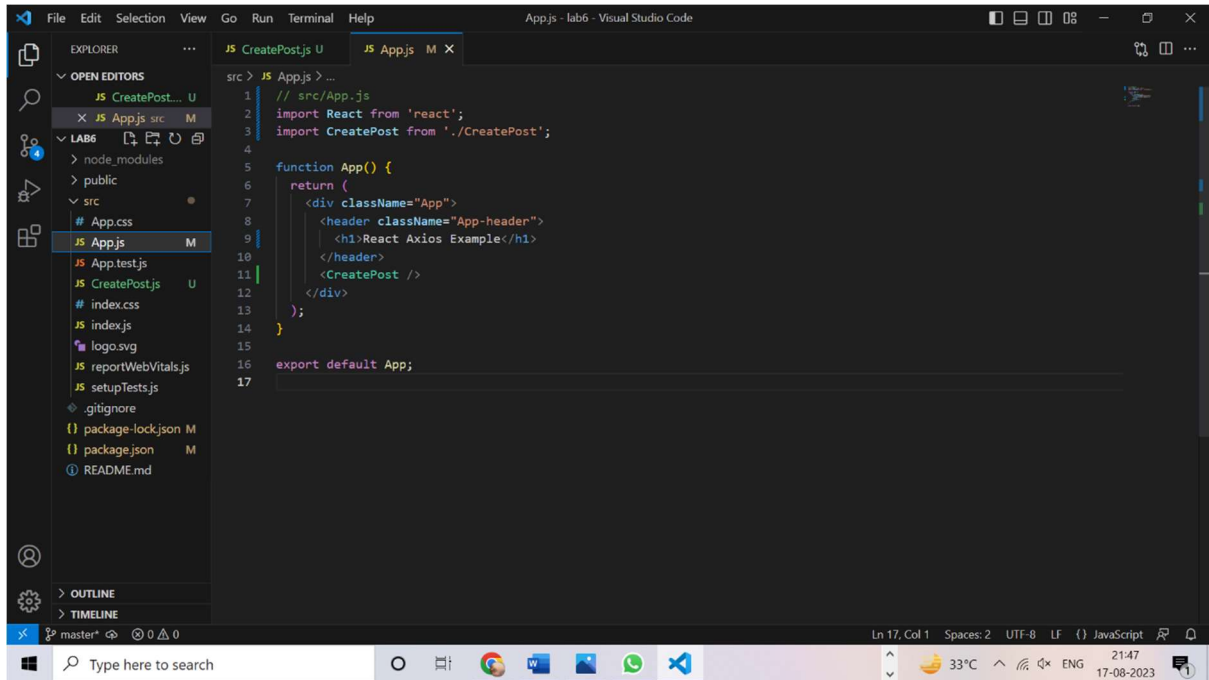
```
<CreatePost />

</div>

);

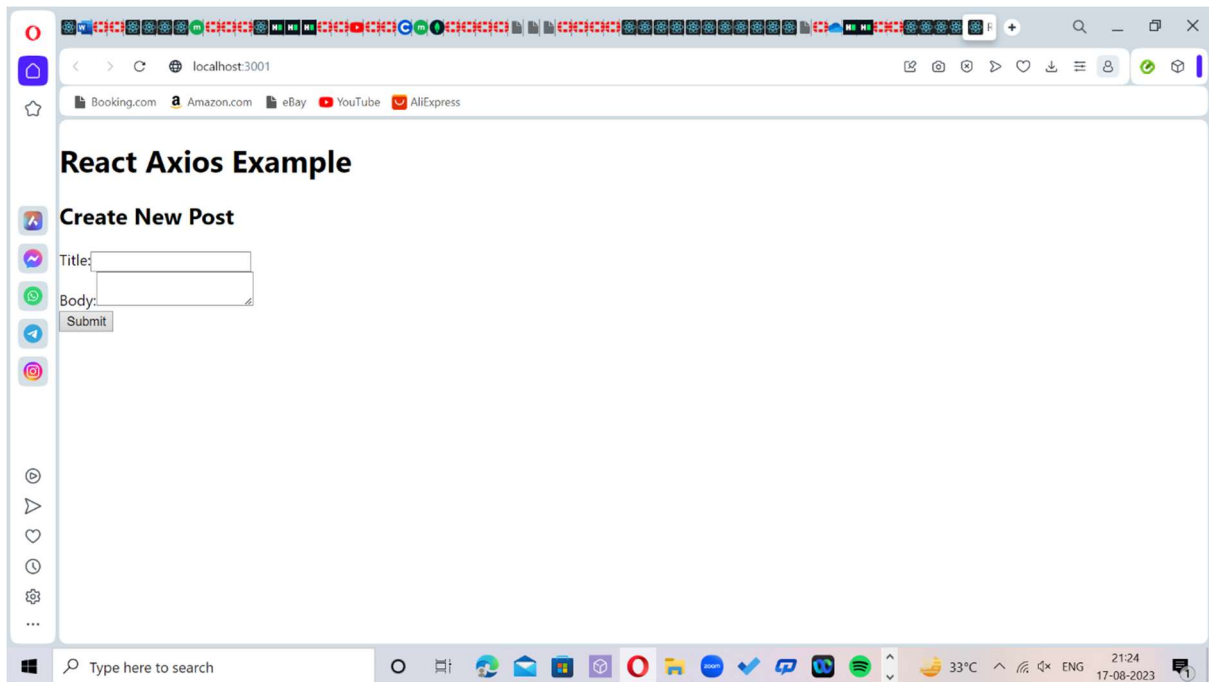
}
```

export default App;



*npm install axios

*npm start



Question1:

```
npx create-react-app ques1
```

```
cd ques1
```

```
//src/app.js
```

```
// src/App.js
```

```
import React, { useState, useEffect } from 'react';
```

```
import axios from 'axios';
```

```
import './App.css';
```

```
function App() {
```

```
  const [userData, setUserData] = useState([]);
```

```
  useEffect(() => {
```

```
    // Fetch user data from the JSON Server API
```

```
    axios.get('http://localhost:5000/users') // Replace with your JSON Server API URL
```

```
    .then(response => {
```

```
      setUserData(response.data);
```



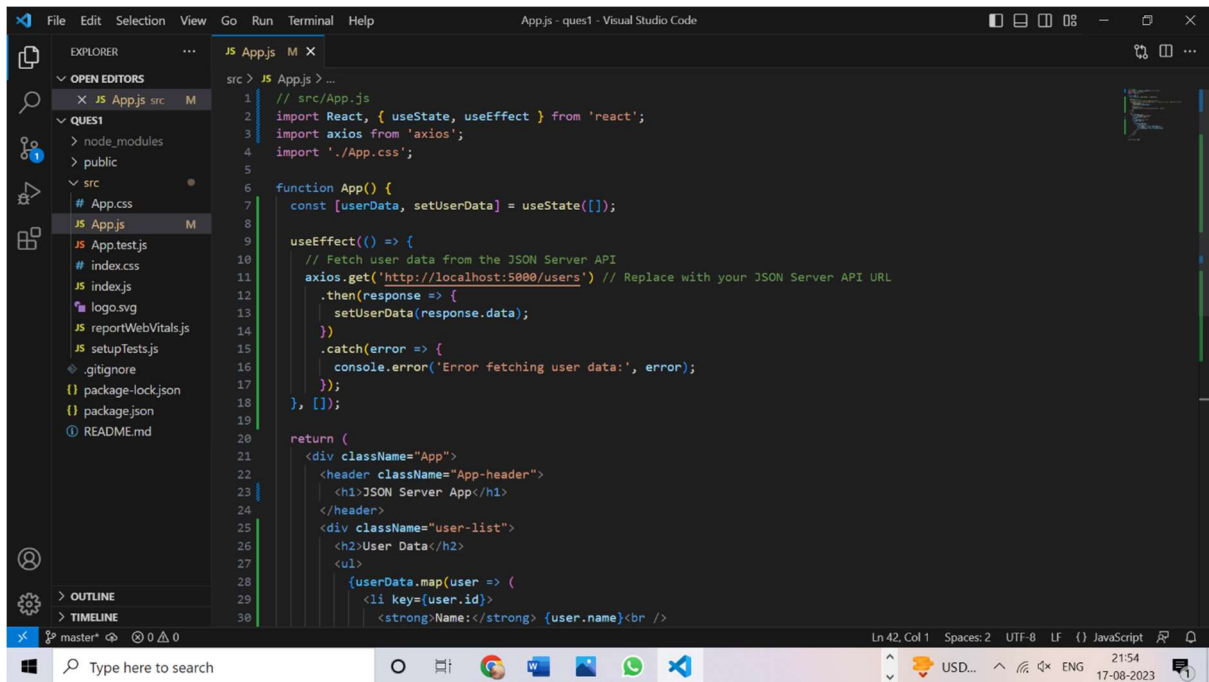
```

    })
    .catch(error => {
      console.error('Error fetching user data:', error);
    });
  }, []);

return (
  <div className="App">
    <header className="App-header">
      <h1>JSON Server App</h1>
    </header>
    <div className="user-list">
      <h2>User Data</h2>
      <ul>
        {userData.map(user => (
          <li key={user.id}>
            <strong>Name:</strong> {user.name}<br />
            <strong>Email:</strong> {user.email}<br />
            <strong>Username:</strong> {user.username}
          </li>
        ))}
      </ul>
    </div>
  </div>
);
}

export default App;

```



```
//app.css
```

```
/* src/App.css */
```

```
.user-list {
```

```
padding: 20px;
```

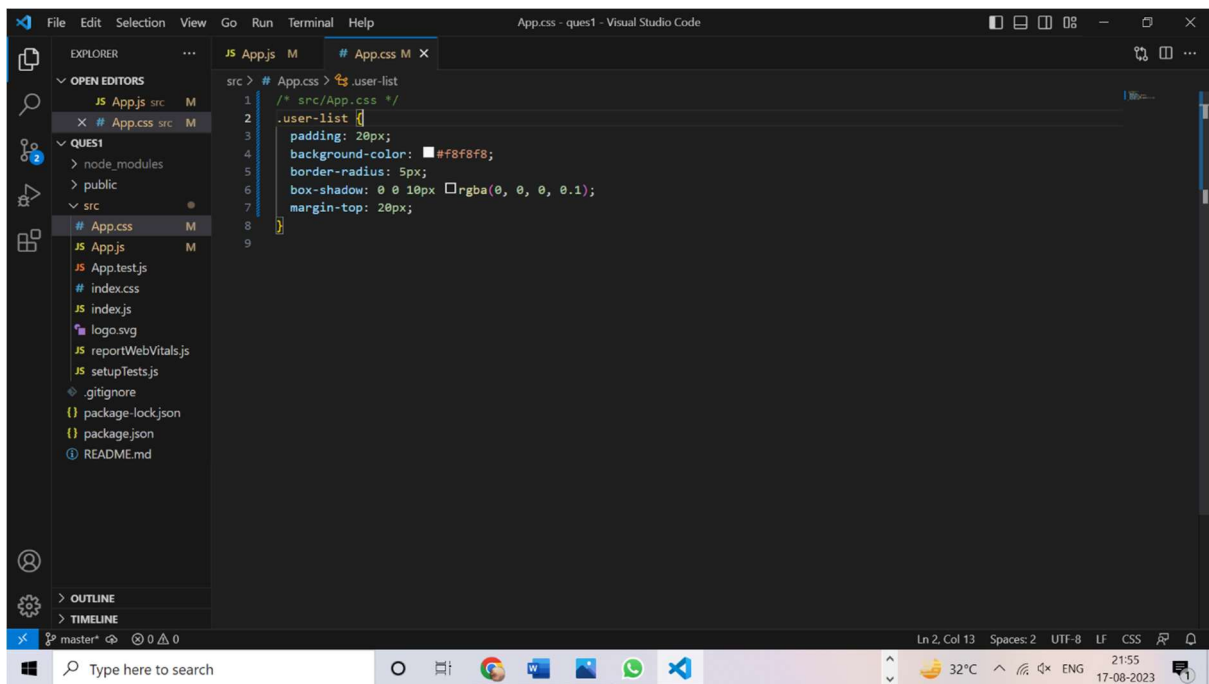
```
background-color: #f8f8f8;
```

```
border-radius: 5px;
```

```
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
```

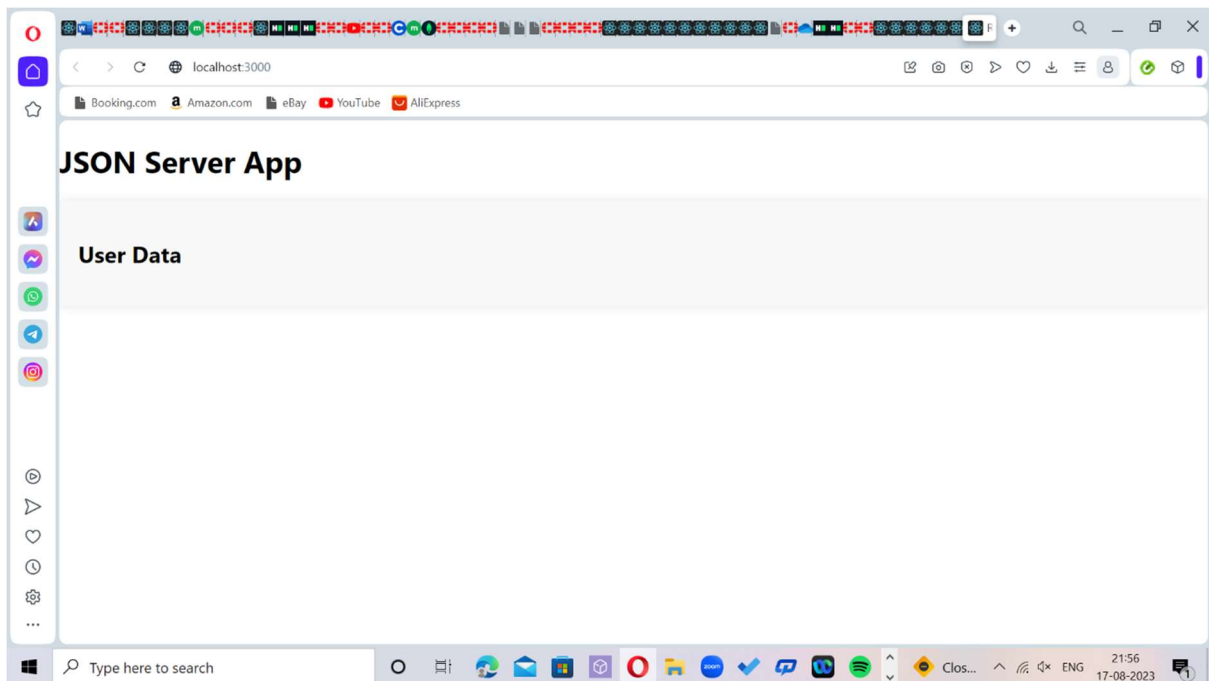
```
margin-top: 20px;
```

```
}
```



Npm install axios

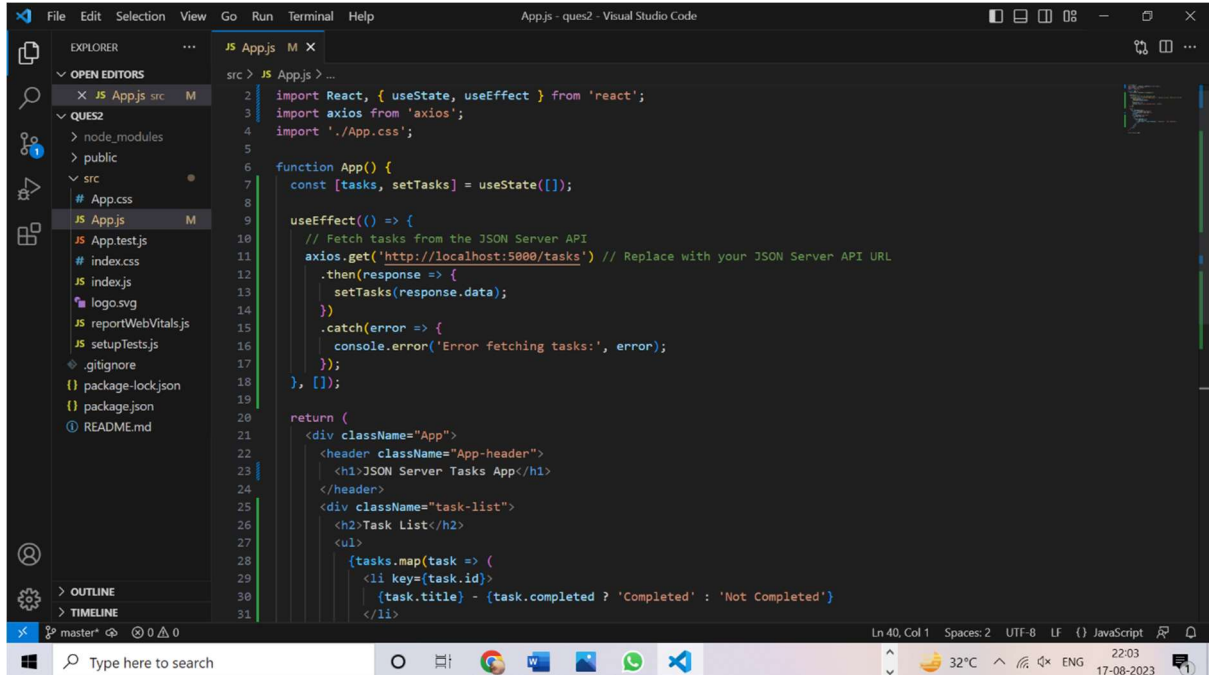
Npm start



Question2:

Npx create-react-app ques2

Cd ques2



```
src > JS App.js > ...
 2  import React, { useState, useEffect } from 'react';
 3  import axios from 'axios';
 4  import './App.css';
 5
 6  function App() {
 7    const [tasks, setTasks] = useState([]);
 8
 9    useEffect(() => {
10      // Fetch tasks from the JSON Server API
11      axios.get('http://localhost:5000/tasks') // Replace with your JSON Server API URL
12        .then(response => {
13          setTasks(response.data);
14        })
15        .catch(error => {
16          console.error('Error fetching tasks:', error);
17        });
18    }, []);
19
20    return (
21      <div className="App">
22        <header className="App-header">
23          <h1>JSON Server Tasks App</h1>
24        </header>
25        <div className="task-list">
26          <h2>Task List</h2>
27          <ul>
28            {tasks.map(task => (
29              <li key={task.id}>
30                {task.title} - {task.completed ? 'Completed' : 'Not Completed'}
31              </li>
32            ))}
33          </ul>
34        </div>
35      </div>
36    );
37  }
38
39  export default App;
```

// src/App.js

```
import React, { useState, useEffect } from 'react';
```

```
import axios from 'axios';
```

```
import './App.css';
```

```
function App() {
```

```
  const [tasks, setTasks] = useState([]);
```

```
  useEffect(() => {
```

```
    // Fetch tasks from the JSON Server API
```

```
    axios.get('http://localhost:5000/tasks') // Replace with your JSON Server API URL
```

```
      .then(response => {
```

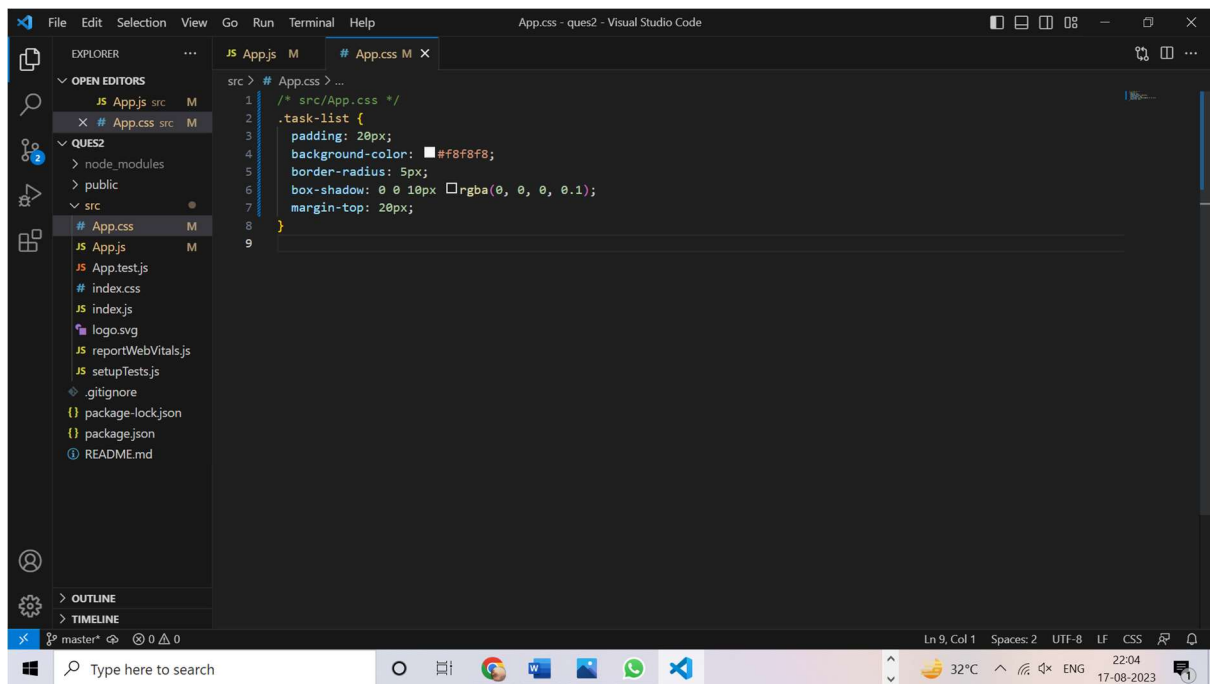
```
        setTasks(response.data);
```

```
      })
```

```
      .catch(error => {
```

```
        console.error('Error fetching tasks:', error);
```

```
    });  
  }, []);  
  
  return (  
    <div className="App">  
      <header className="App-header">  
        <h1>JSON Server Tasks App</h1>  
      </header>  
      <div className="task-list">  
        <h2>Task List</h2>  
        <ul>  
          {tasks.map(task => (  
            <li key={task.id}>  
              {task.title} - {task.completed ? 'Completed' : 'Not Completed'}  
            </li>  
          ))}  
        </ul>  
      </div>  
    </div>  
  );  
}  
  
export default App;
```



```
/* src/App.css */
```

```
.task-list {  
  padding: 20px;  
  background-color: #f8f8f8;  
  border-radius: 5px;  
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  
  margin-top: 20px;  
}
```

Npm install axios

Npm start

