Lab

Exercise

5

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Iot -A

Code:

#index.js

```
mport React from "react";
import ReactDOM from "react-dom";
import App from "./components/App";

ReactDOM.render(<App />, document.getElementById("root"));
```

#app.js

```
mport React, { useState } from "react";
import Header from "./Header";
import Footer from "./Footer";
import Note from "./Note";
import CreateArea from "./CreateArea";

function App() {
  const [notes, setNotes] = useState([]);

  function addNote(newNote) {
    setNotes(prevNotes => {
      return [...prevNotes, newNote];
    });
  }

  function deleteNote(id) {
    setNotes(prevNotes => {
      return prevNotes.filter((noteItem, index) => {
        return index !== id;
      });
    });
  }

  return (
    <div>
      <Header />
      <CreateArea onAdd={addNote} />
      {notes.map((noteItem, index) => {
        return (
          <Note
            key={index}
            id={index}
            title={noteItem.title}
            content={noteItem.content}
            onDelete={deleteNote}
          />
        );
      })}
      <Footer />
    </div>
  );
}

export default App;
```

#create area.jsx

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

function CreateArea(props) {
  const [note, setNote] = useState({
    title: "",
    content: ""
  });

  function handleChange(event) {
    const { name, value } = event.target;

    setNote(prevNote => {
      return {
        ...prevNote,
        [name]: value
      };
    });
  }

  function submitNote(event) {
    props.onAdd(note);
    setNote({
      title: "",
      content: ""
    });
    event.preventDefault();
  }

  return (
    <div>
      <form>
        <input
          name="title"
          onChange={handleChange}
          value={note.title}
          placeholder="Title"
        />
        <textarea
          name="content"
          onChange={handleChange}
          value={note.content}
          placeholder="Take a note..."
          rows="3"
        />
        <button onClick={submitNote}>Add</button>
      </form>
    </div>
  );
}

export default CreateArea;
```

#footer.jsx

```
import React from "react";

function Footer() {
  const year = new Date().getFullYear();
  return (
    <footer>
      <p>Copyright ⓒ {year}</p>
    </footer>
  );
}

export default Footer;
```

#header.jsx

```
import React from "react";

function Header() {
  return (
    <header>
      <h1>Keeper</h1>
    </header>
  );
}

export default Header;
```

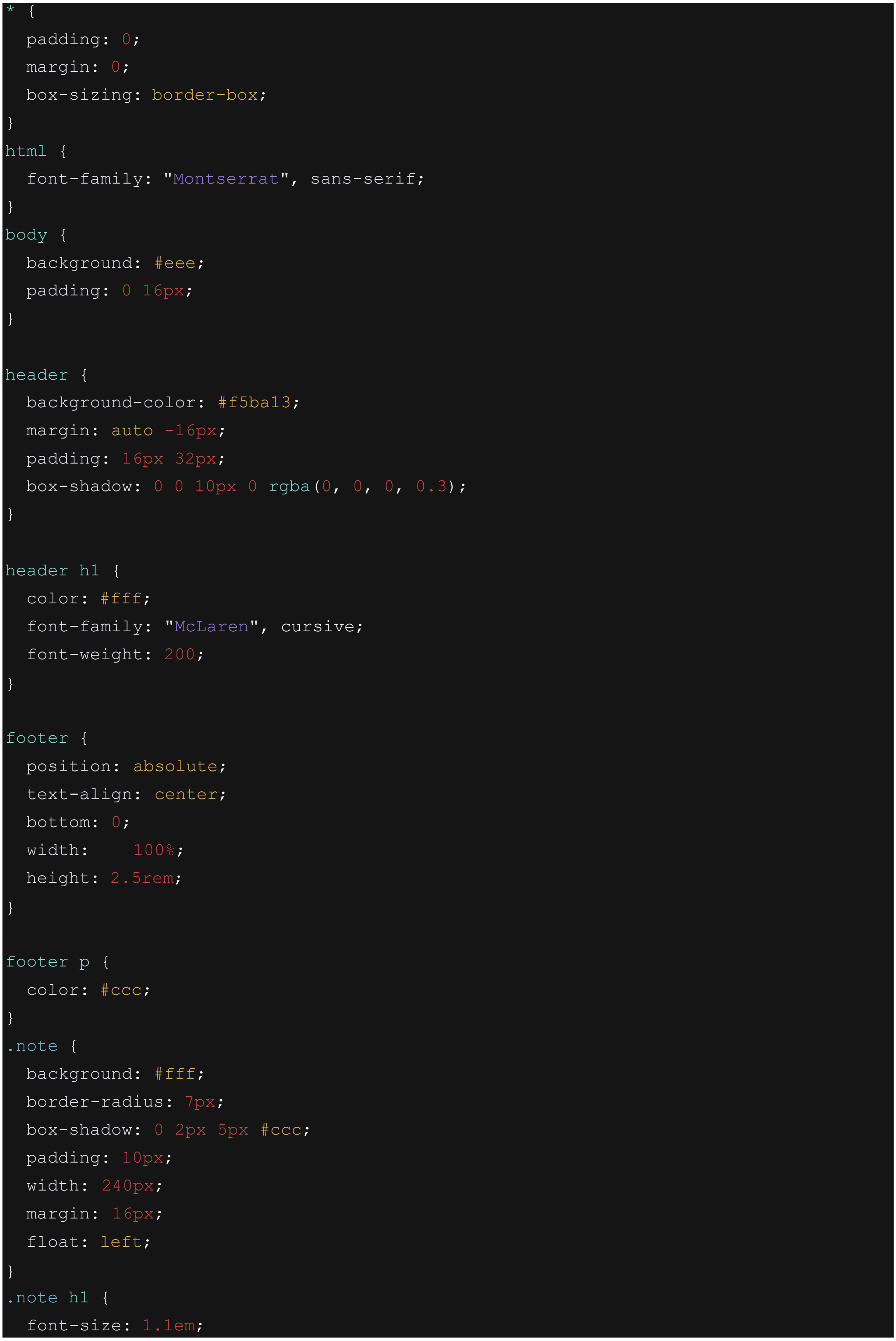
#note.jsx

```
import React from "react";

function Note(props) {
  function handleClick() {
    props.onDelete(props.id);
  }

  return (
    <div className="note">
      <h1>{props.title}</h1>
      <p>{props.content}</p>
      <button onClick={handleClick}>DELETE</button>
    </div>
  );
}

export default Note;
```

#index.htmnl

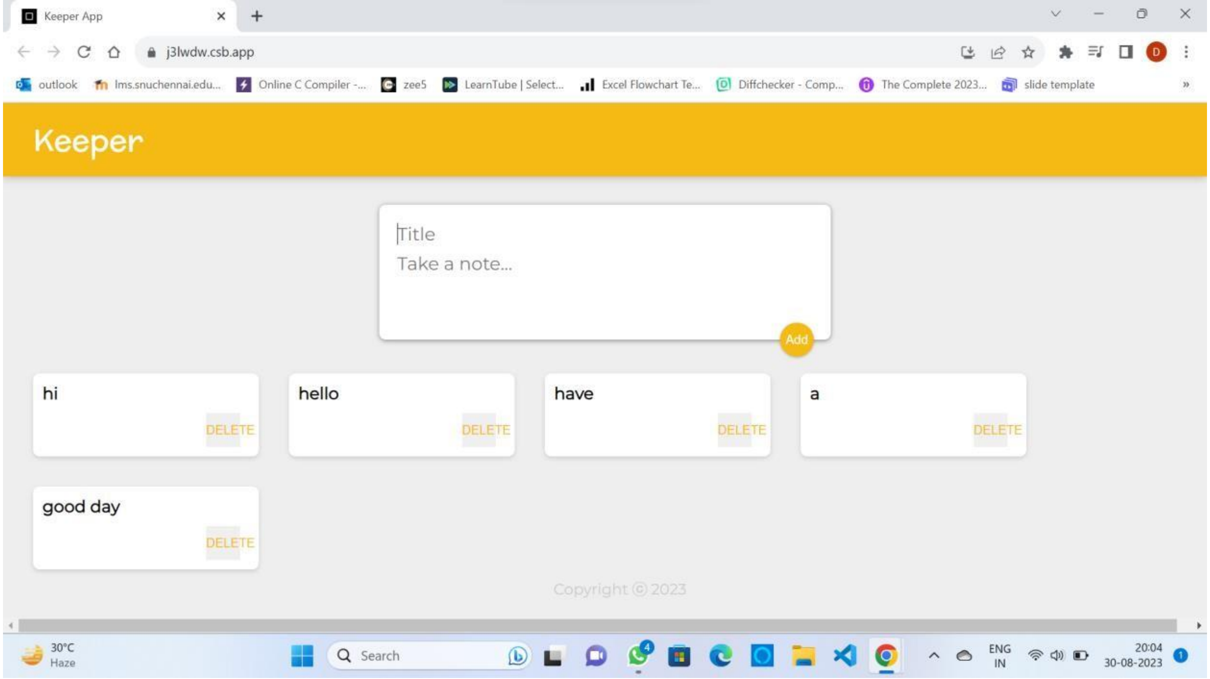
```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Keeper App</title>
    <link font-family: "Montserrat", sans-serif;
    href="https://fonts.googleapis.com/css?family=McLaren|Montserrat&display=swap"
    rel="stylesheet" />
    <link rel="stylesheet" href="styles.css" />
  </head>

  <body>
    <div id="root"></div>
    <script src="../src/index.js" type="text/jsx"></script>
  </body>
</html>
```

#style.css



```css
* {
  padding: 0;
  margin: 0;
  box-sizing: border-box;
}
html {
  font-family: "Montserrat", sans-serif;
}
body {
  background: #eee;
  padding: 0 16px;
}

header {
  background-color: #f5ba13;
  margin: auto -16px;
  padding: 16px 32px;
  box-shadow: 0 0 10px 0 rgba(0, 0, 0, 0.3);
}

header h1 {
  color: #fff;
  font-family: "McLaren", cursive;
  font-weight: 200;
}

footer {
  position: absolute;
  text-align: center;
  bottom: 0;
  width:    100%;
  height: 2.5rem;
}

footer p {
  color: #ccc;
}
.note {
  background: #fff;
  border-radius: 7px;
  box-shadow: 0 2px 5px #ccc;
  padding: 10px;
  width: 240px;
  margin: 16px;
  float: left;
}
.note h1 {
  font-size: 1.1em;
  margin-bottom: 6px;
}
.note p {
  font-size: 1.1em;
  margin-bottom: 10px;
  white-space: pre-wrap;
  word-wrap: break-word;
}

.note button {
  position: relative;
  float: right;
  margin-right: 10px;
  color: #f5ba13;
  border: none;
  width: 36px;
  height: 36px;
  cursor: pointer;
  outline: none;
}

form {
  position: relative;
  width: 480px;
  margin: 30px auto 20px auto;
  background: #fff;
  padding: 15px;
  border-radius: 7px;
  box-shadow: 0 1px 5px rgb(138, 137, 137);
}
form input,
form textarea {
  width: 100%;
  border: none;
  padding: 4px;
  outline: none;
  font-size: 1.2em;
  font-family: inherit;
  resize: none;
}
form button {
  position: absolute;
  right: 18px;
  bottom: -18px;
  background: #f5ba13;
  color: #fff;
  border: none;
  border-radius: 50%;
  width: 36px;
  height: 36px;
  box-shadow: 0 1px 3px rgba(0, 0, 0, 0.3);
  cursor: pointer;
  outline: none;
}
```

Output:



Keeper

Title

Take a note...

hi

DELETE

hello

DELETE

have

DELETE

a

DELETE

good day

DELETE

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