DAY : 2 (TASK)

➢ What is react ?

React is a popular JavaScript library used for building fast, interactive, and dynamic user interfaces, mainly for web applications. It was developed and is maintained by Facebook (Meta). React follows a component-based architecture, where the user interface is divided into small, reusable components, making code easier to manage and maintain. It uses a Virtual DOM, which updates only the changed parts of the page instead of reloading the entire page, resulting in better performance. React also uses JSX, a syntax that allows HTML to be written inside JavaScript, making the code more readable and efficient for developers.

➢ With the help of syntax of npx create-react-app , a create first application

➢ When this command is executed:

- An already defined folder structure is generated
- All required files and dependencies are installed automatically.

➢ I added my code inside this existing structure, mainly in the src folder.
   The changes were made in files like App.js to customize the application.
   After adding my code, the application was run using npm start.
   The output screenshot shows the successfully running React application.

App.jsx

```
import "./App.css";

function App() {
 return (
   <div className="container">
    <h1>Internship React Task</h1>

    <div className="card">
     <p><b>Name: Nirali Mungala</b> </p>
     <p><b>Course:</b> DIPLOMA / I.T.</p>
     <p><b>Internship Domain:</b> react.js </p>
    </div>

    <div className="concepts">
     <h3>Concepts Used:</h3>
     <ul>
      <li>JSX</li>
      <li>Components</li>
      <li>Props</li>
     </ul>
    </div>
   </div>
 );
}
```

```
export default App;
```

index.css

```css
body {
  margin: 0;
  padding: 0;
  font-family: Arial, sans-serif;
  background-color: #f2f2f2;
}

.container {
  text-align: center;
  padding: 40px;
}

.card {
  background-color: white;
  width: 300px;
  margin: 20px auto;
  padding: 20px;
  border-radius: 10px;
  box-shadow: 0 0 10px rgba(0,0,0,0.1);
}

.concepts {
  margin-top: 20px;
}

ul {
  list-style-type: none;
  padding: 0;
}

li {
  background-color: #007bff;
  color: white;
  margin: 5px auto;
  width: 120px;
  padding: 5px;
  border-radius: 5px;
}
```

Screenshot of output :