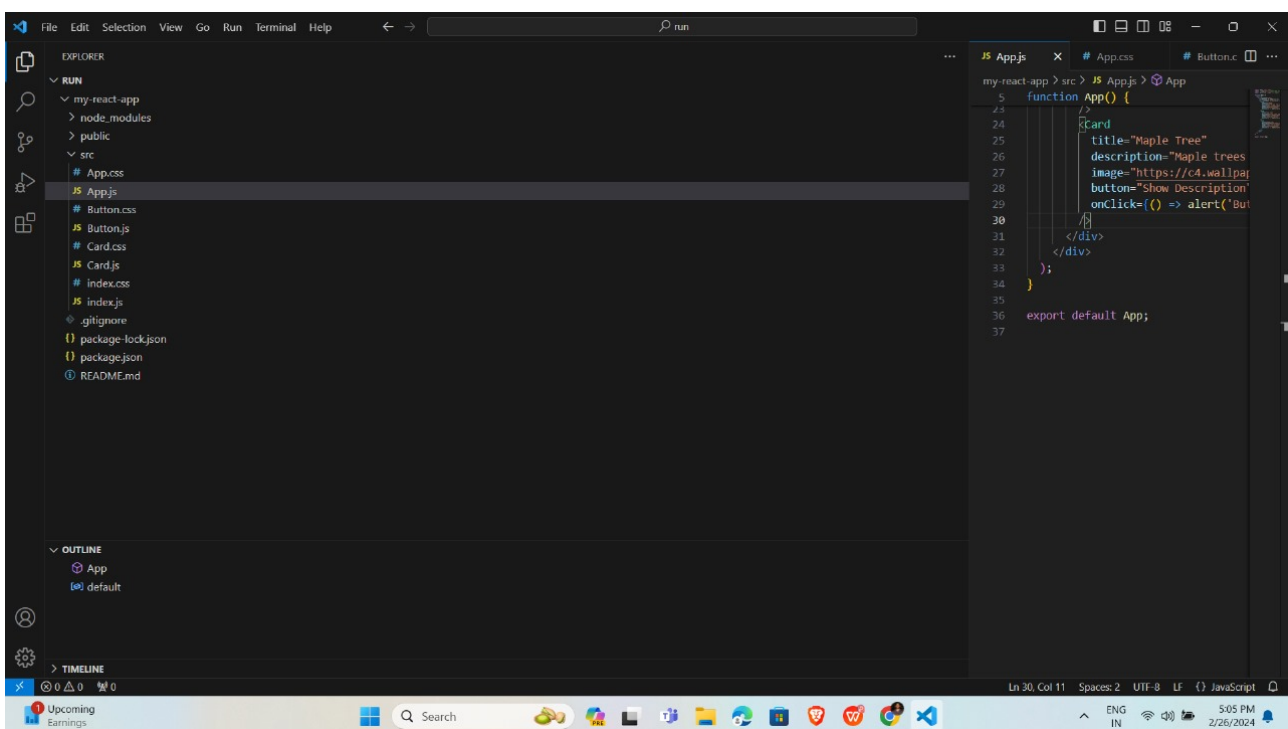# ASSIGNMENT-2

NAME: GUDE PRADEEP

College: Kallam Haranadhareddy Institute of Technology
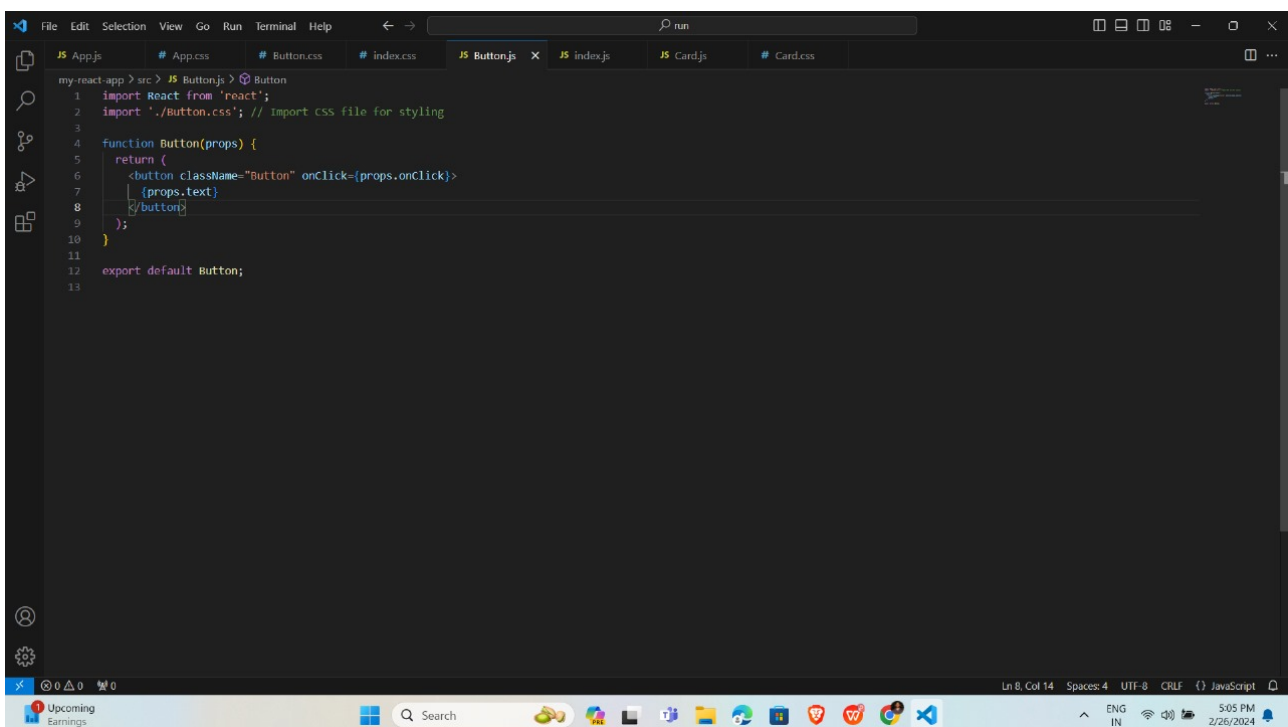
E mail: 208x1a0520@khitguntur.ac.in

All Codes:

index.js

my-react-app > src > JS index.js

```javascript
import React from 'react';
import ReactDOM from 'react-dom';
import App from './App'; // Import the App component
import './index.css'; // Import CSS file for styling

ReactDOM.render(
  <React.StrictMode>
    <App />
  </React.StrictMode>,
  document.getElementById('root')
);
```

index.css

my-react-app > src > # index.css > ...

```css
body {
  -moz-osx-font-smoothing: grayscale;
}

#root {
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
}
```

App.js

my-react-app > src > JS App.js > ...

```javascript
import React from 'react';
import './App.css'; // Import CSS file for styling
import Card from './Card'; // Import the Card component

function App() {
  return (
    <div className="App">
      <h1>Potrayal of Trees</h1> {/* Update the title to "Potrayal of Trees" */}
      <div className="CardContainer">
        <Card
          title="Oak Tree"
          description="The oak tree is a majestic species that can live for hundreds of years. It is known for its strong wood and broad leaves."
          image="https://images.pexels.com/photos/218505/pexels-photo-218505.jpeg?auto=compress&cs=tinysrgb&w=1260&h=750&dpr=1"
          button="show Description"
          onClick={() => alert('Button clicked for Oak Tree')}
        />
        <Card
          title="Pine Tree"
          description="Pine trees are evergreen conifers that can be found in various parts of the world. They are valued for their timber, resin, and scenic beauty."
          image="https://images.pexels.com/photos/2625032/pexels-photo-2625032.jpeg?auto=compress&cs=tinysrgb&w=1260&h=750&dpr=1"
          button="Show Description"
          onClick={() => alert('Button clicked for Pine Tree')}
        />
        <Card
          title="Maple Tree"
          description="Maple trees are known for their vibrant autumn foliage and sweet sap, which is used to make maple syrup. They are native to North America and Asia."
          image="https://c4.wallpaperflare.com/wallpaper/883/351/819/nature-landscape-fall-road-wallpaper-preview.jpg"
          button="Show Description"
          onClick={() => alert('Button clicked for Maple Tree')}
        />
      </div>
    </div>
  );
}

export default App;
```

App.css (my-react-app > src > App.css)

```css
.App {
}

.CardContainer {
  display: flex;
  justify-content: center;
  gap: 20px;
}
```

Card.js (my-react-app > src > Card.js)

```javascript
function Card(props) {

  return (
    <div className="Card">
      {props.image && <img src={props.image} alt="Card" />} {/* Render image if provided */}
      <div className="CardContent">
        <h2>{props.title}</h2>
        {showDescription && <p>{props.description}</p>} {/* Show description if showDescription is true */}
        <Button text={showDescription ? "Hide Description" : "Show Description"} onClick={handleButtonClick} />
      </div>
    </div>
  );
}

export default Card;
```

Card.css (my-react-app > src > Card.css)

```css
.Card {
  padding: 20px;
}

.Card img {
  width: 100%; /* Make the image fill the entire width of the card */
  height: 200px; /* Set a fixed height for the image */
  object-fit: cover; /* Ensure the image covers the entire container */
  border-radius: 5px;
  margin-bottom: 10px;
}

.CardContent {
  text-align: left;
}
```

OUTPUT:

Potrayal of Trees

Oak Tree

Show Description

Pine Tree

Pine trees are evergreen conifers that can be found in various parts of the world. They are valued for their timber, resin, and scenic beauty.

Hide Description

Maple Tree

Show Description

Potrayal of Trees

Oak Tree

The oak tree is a majestic species that can live for hundreds of years. It is known for its strong wood and broad leaves.

Hide Description

Pine Tree

Pine trees are evergreen conifers that can be found in various parts of the world. They are valued for their timber, resin, and scenic beauty.

Hide Description

Maple Tree

Maple trees are known for their vibrant autumn foliage and sweet sap, which is used to make maple syrup. They are native to North America and Asia.

Hide Description