

### **Prog 3**

#### **Button.js**

```
import React from 'react';

function Button({ label, onClick, style }) {
  return (
    <button onClick={onClick} style={st}>
      {label}
    </button>
  );
}

export default Button;
```

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#### **TextBox.js**

```
import React from 'react';

function TextBox({ ph }) {
  return (
    <input
      type="text"
      placeholder={ph}
    />
  );
}

export default TextBox;
```

---

#### **Dropdown.js**

```
import React from 'react';

function Dropdown({ options }) {
  return (
    <select>
      {options.map((option, index) => (
        <option key={index} value={option}>
          {option}
        </option>
      ))}
    </select>
  );
}
```

```

        </option>
      )}}
    </select>
  );
}

export default Dropdown;

```

---

## App.js

```

import React from 'react';
import Button from './Button';
import TextBox from './TextBox';
import Dropdown from './Dropdown';

function App() {
  return (
    <div>
      <h1>Reusable Components in a Form</h1>

      <form>
        <div>
          <TextBox ph="Enter your name..." />
        </div>

        <div>
          <Dropdown
            options={['MBA', 'MCA', 'BE']}
          />
        </div>

        <div>
          <Button
            label="Submit"
            onClick={() => alert('Form submitted!')}
            st={{ padding: '10px 20px', backgroundColor: 'blue', color: 'white' }}
          />
        </div>
      </form>
    </div>
  );
}

```

```
export default App;
```

---

Prog 4

```
import React, { useState } from "react";
import TextField from "@mui/material/TextField";
import Button from "@mui/material/Button";
```

```
function App() {
  const [firstName, setFirstName] = useState("");
  const [lastName, setLastName] = useState("");

  const handleClick = () => {
    if (firstName === "" || lastName === "") {
      alert("Please fill out both fields.");
    } else {
      alert(`Hello {firstName} ${lastName}`);
    }
  };

  return (
    <div>
      <h1>Enter Your Name</h1>
      <TextField
        label="First Name"
        variant="outlined"
        value={firstName}
        onChange={(e) => setFirstName(e.target.value)}
      />
      <TextField
        label="Last Name"
        variant="outlined"
        value={lastName}
        onChange={(e) => setLastName(e.target.value)}
      />
      <Button variant="contained" color="primary" onClick={handleClick}>
        Submit
      </Button>
    </div>
  );
}
```

```
export default App;
```

## Prog 5

```
import Button from "@mui/material/Button";
import Card from "@mui/material/Card";
import CardContent from "@mui/material/CardContent";
import Typography from "@mui/material/Typography";

function App() {
  const [showCard, setShowCard] = useState(false);

  const toggleCard = () => {
    setShowCard((prev) => !prev);
  };

  return (
    <div style={{ display: "flex", flexDirection: "column", alignItems: "center", marginTop: "50px" }}>
      <Button variant="contained" color="primary" onClick={toggleCard}>
        {showCard ? "Hide Card" : "Show Card"}
      </Button>
      {showCard && (
        <Card style={{ marginTop: "20px", width: "300px" }}>
          <CardContent>
            <Typography variant="h5" component="div">
              Material UI Card
            </Typography>
            <Typography variant="body2" color="text.secondary">
              This is a simple card that toggles visibility when you click the button above.
            </Typography>
          </CardContent>
        </Card>
      )}
    </div>
  );
}

export default App;
```