

## 6A — Express.js CRUD Example

```
const express = require('express');
const app = express();

app.use(express.json());

let data = [
  { id: 1, name: 'teja' },
  { id: 2, name: 'salar' }
];

app.post('/items', (req, res) => {
  data.push(req.body);
  res.send('Data added');
});

app.get('/items', (req, res) => {
  res.json(data);
});

app.delete('/items/:id', (req, res) => {
  const id = Number(req.params.id);
  data = data.filter(item => item.id !== id);
  res.send('Item deleted');
});

app.listen(3000, () => console.log('Server running on http://localhost:3000'));
```

## 7A — React Conditional Rendering

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

export default function App() {
  const [loggedIn, setLoggedIn] = useState(false);

  let message;
  if (loggedIn) message = "Welcome, Teja!";
  else message = "Please log in to continue.";

  return (
    <div style={{ textAlign: 'center', marginTop: 50 }}>
      <h2>Conditional Rendering</h2>
      <h3>{message}</h3>
      <button onClick={() => setLoggedIn(!loggedIn)}>
        {loggedIn ? "Logout" : "Login"}
      </button>
    </div>
  );
}
```

## 7B — React List Rendering

```
import React from 'react';

export default function App() {
  const names = ['Teja', 'Ravi', 'Nothing'];

  return (
    <div style={{ textAlign: 'center', marginTop: 50 }}>
      <h2>Names List</h2>
      <ul>
        {names.map((n, i) => <li key={i}>{n}</li>)}
      </ul>
    </div>
  );
}
```

## 8A — Express.js Form Handling

```
const express = require('express');
const app = express();

app.use(express.urlencoded({ extended: true }));

app.get('/', (req, res) => {
  res.send(`<form action="/submit" method="POST">
  <input name="name" placeholder="Enter name" /><br><br>
  <input name="age" placeholder="Enter age" /><br><br>
  <button type="submit">Submit</button>
</form>
`);
});

app.post('/submit', (req, res) => {
  res.send(`Form received.<br>
  Name: ${req.body.name}<br>
  Age: ${req.body.age}<br><br>
`);
});

app.listen(3000, () => console.log('http://localhost:3000'));
```

## 8B — JSX Example in React

```
import React from "react";

export default function App() {
  const title = "Welcome to JSX Example";
  const message = "JSX lets you write HTML-like markup inside JavaScript.";

  return (
    <div>
      <h1>{title}</h1>
      <p>{message}</p>

      <div>
        <h3>Student Info</h3>
        <p>Name: Bunny</p>
        <p>Course: React JS</p>
      </div>
    </div>
  );
}
```

## 9B — React State Update Example

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

export default function App() {
  const [count, setCount] = useState(0);

  return (
    <div style={{ textAlign: "center", marginTop: 50 }}>
      <h2>Updating the Screen Example</h2>
      <h3>Count: {count}</h3>

      <button onClick={() => setCount(count + 1)}>
        Increase
      </button>
    </div>
  );
}
```