

Assignment 13

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Q1. Design a registration form with username and password using express.js.

```
const express = require('express');
const bodyParser = require('body-parser');

const app = express();
const port = 3003;

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

// Serve the registration form
app.get('/register', (req, res) => {
  res.sendFile(__dirname + '/register.html');
});

// Handle form submissions
app.post('/register', (req, res) => {
  const username = req.body.username;
  const password = req.body.password;

  // Handle registration logic here (e.g., store in a database)

  // For simplicity, just send a response indicating success
  res.send(`Registration successful! Username: ${username}, Password: ${password}`);
});

// Start the server
app.listen(port, () => {
  console.log(`Server is running at http://localhost:${port}`);
});
```

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Registration Form</title>
  </head>
  <body>
    <h2>Registration Form</h2>
    <form action="/register" method="post">
      <label for="username">Username:</label>
```

```
<input type="text" id="username" name="username" required /><br />

<label for="password">Password:</label>
<input type="password" id="password" name="password" required /><br />

<button type="submit">Register</button>
</form>
</body>
</html>
```

Output:

Registration Form

Username:

Password:

Registration successful! Username: niraj, Password: 12345

Q2. Create a simple Hello World App using React js.

```
import logo from './logo.svg';
import './App.css';
import HelloWorld from './components/HelloWorld';

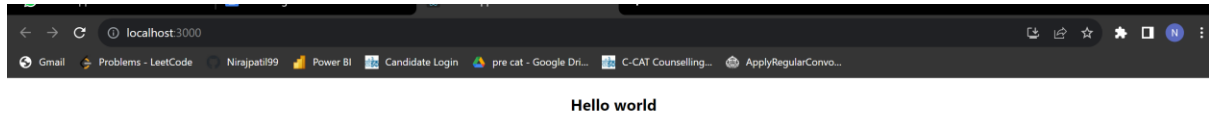
function App() {
  return (

    <div className="App">
      <h3>Hello world</h3>
    </div>
```

```
);
}

export default App;
```

output:



Q3. Design a simple calculator using React js (Addition, Subtraction, Multiplication, Division and modulus).The input should be taken from the user via text boxes.

```
import logo from './logo.svg';
import './App.css';

function App() {
  const num1=30;
  const num2=20;
  const msg=()=>{
    return ("here is a calculator create using react")
  }
  return (
    <div className="App">
      <h2>{msg()}</h2>
      <h3>Sum is: {num1+num2}</h3>
      <h3>Multiplication is: {num1*num2}</h3>
      <h3>Divison is: {num1/num2}</h3>
      <h3>modulus is: {num1%num2}</h3>
      <h3>subtraction is: {num1-num2}</h3>
    </div>
  );
}
```

```
export default App;
```

output:

here is a calculator create using react

Sum is: 50

Multiplication is: 600

Divison is: 1.5

modulus is: 10

subtraction is: 10