**Assignment 13**

**TVM-DAC-Niraj Patil**

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 />

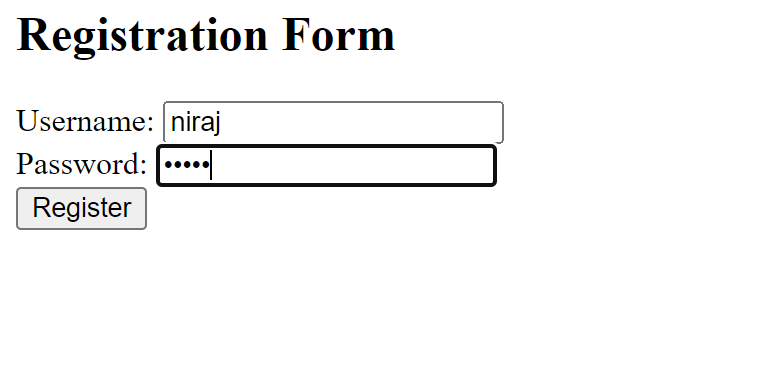
      <button type="submit">Register</button>

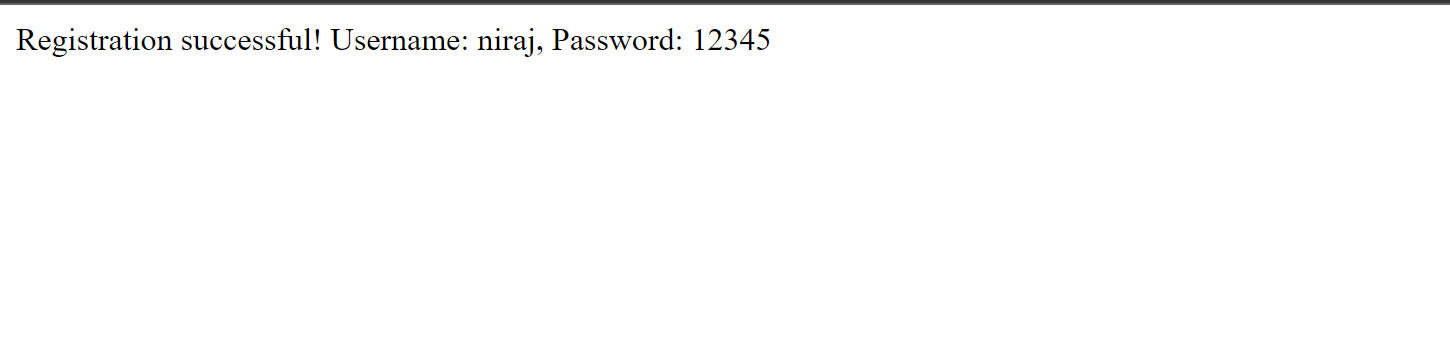
    </form>

  </body>

</html>

Output:





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

import logo from './logo.svg';

import './App.css';

import HelloWord from './componants/HelloWord';

function App() {

  return (

     <div className="App">

      <h3>Hello world</h3>

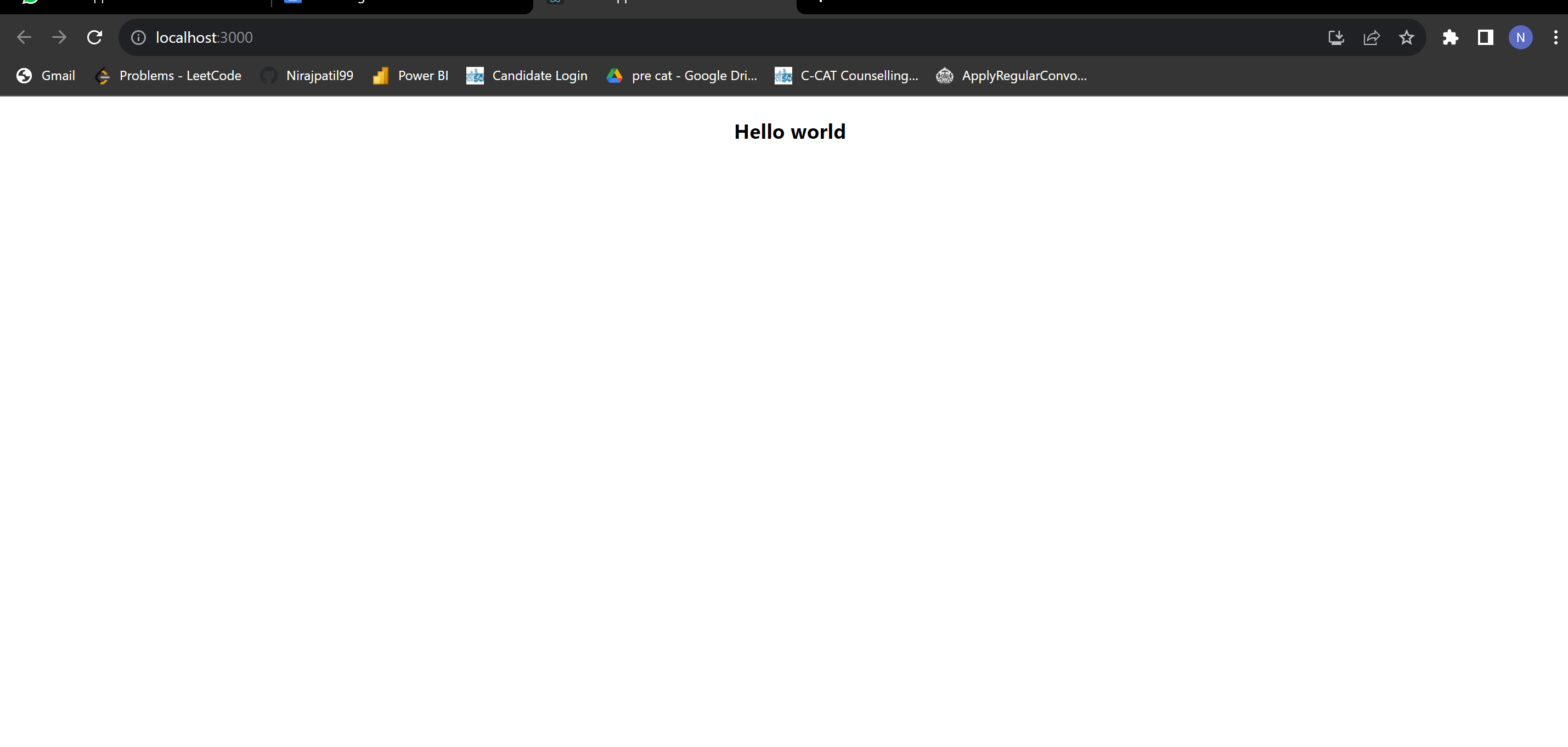
     </div>

  );

}

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:  
