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**Roll No. => 33346**

**Class => TE-11**

**Batch => M-11**

### **ASSIGNMENT 1-B**

**Write a JavaScript Program to get the user registration data and push to array/local storage with AJAX POST method and data list in new page.**

**Code =>**

**Backend Code :**

**index.js**

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

app.use(express.json());

app.use(function (req, res, next) {
  // Website you wish to allow to connect
  res.setHeader('Access-Control-Allow-Origin', '*');
  // Request methods you wish to allow
  res.setHeader('Access-Control-Allow-Methods', 'GET, POST, OPTIONS, PUT, PATCH, DELETE');
  // Request headers you wish to allow
  res.setHeader('Access-Control-Allow-Headers', 'X-Requested-With,content-type');
  // Set to true if you need the website to include cookies in the requests sent // to the API (e.g. in case you use sessions)
  res.setHeader('Access-Control-Allow-Credentials', true);
  // Pass to next layer of middleware
  next();
});

var data = {
  firstName: "",
  lastName: "",
  age: "",
  college: ""
}

app.get("/", (req, res) => {
  res.status(200).json(data);
})
```

```

app.post("/", (req, res) => {
  const userData = req.body
  data = userData;

  console.log(data)
  res.status(200).json(data);
});

app.listen(3000, () => {
  console.log("http://localhost:3000")
});

```

## Frontend Code :

### index.html

```

<!doctype html>
<html lang="en">

<head>
  <title>Assignment 1B</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no"> <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css"
rel="stylesheet"
integrity="sha384-iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZ
B6+fzT" crossorigin="anonymous">
  <script

src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script> </head>

<body>
  <div class="container my-4">
    <main id="output" class="bg-dark text-light p-4 rounded mb-4 w-50 mx-auto"
style="letter-spacing: 2px;">
      </main>

      <div class="w-50 mx-auto mb-4 text-end">
        <button class="btn btn-dark" onclick="fetchData()">Reload</button>
      </div>

      <form id="addNumberForm" class="p-4 border shadow-sm w-50 mx-auto">
        <div class="mb-2">
          <label for="firstName" class="form-label">First Name</label>
          <input value="sumit" type="text" class="form-control" name="firstName"
required id="firstName" aria-describedby="helpId" placeholder="Enter Your First
Name"> </div>
        <div class="mb-2">
          <label for="lastName" class="form-label">Last Name</label>

```

```

        <input value="kawale" type="text" class="form-control" name="lastName"
required id="lastName" aria-describedby="helpId" placeholder="Enter Your Last
        Name"> </div>
        <div class="mb-2">
            <label for="age" class="form-label">Age</label>
            <input value="21" type="text" class="form-control" name="age" required
id="age" aria-describedby="helpId" placeholder="Enter Your Age">
        </div>
        <div class="mb-3">
            <label for="college" class="form-label">College Name</label>
            <input value="pict" type="text" class="form-control" name="college"
required id="college" aria-describedby="helpId" placeholder="Enter Your College
        Name"> </div>
        <button type="submit" class="btn btn-primary">Submit</button>
        <hr>
        <small class="small text-success" id="msg"></small>
    </form>
</div>

<script>
    const output = document.getElementById("output");

    function fetchData() {

        var xhttp = new XMLHttpRequest();
        xhttp.onreadystatechange = function() {
            if (this.readyState == 4 && this.status == 200) {
                let data = JSON.parse(xhttp.responseText)

                let string = `name: ${data.firstName} ${data.lastName} <hr>age:
${data.age}<hr>college: ${data.college}`;

                output.innerHTML = string;

                w = window.open();
                w.document.body.innerHTML = "<h1>User Details</h1><h3>";
                w.document.body.innerHTML += string;
                w.document.body.innerHTML += "</h3>";
            }
        };
        xhttp.open("GET", "http://localhost:3000/", true);
        xhttp.send();
    }
    document.body.onload = () => {
        fetchData()

        document.forms.addNumberForm.addEventListener("submit", (event) => {
            event.preventDefault();
            const firstName = event.target.firstName.value;

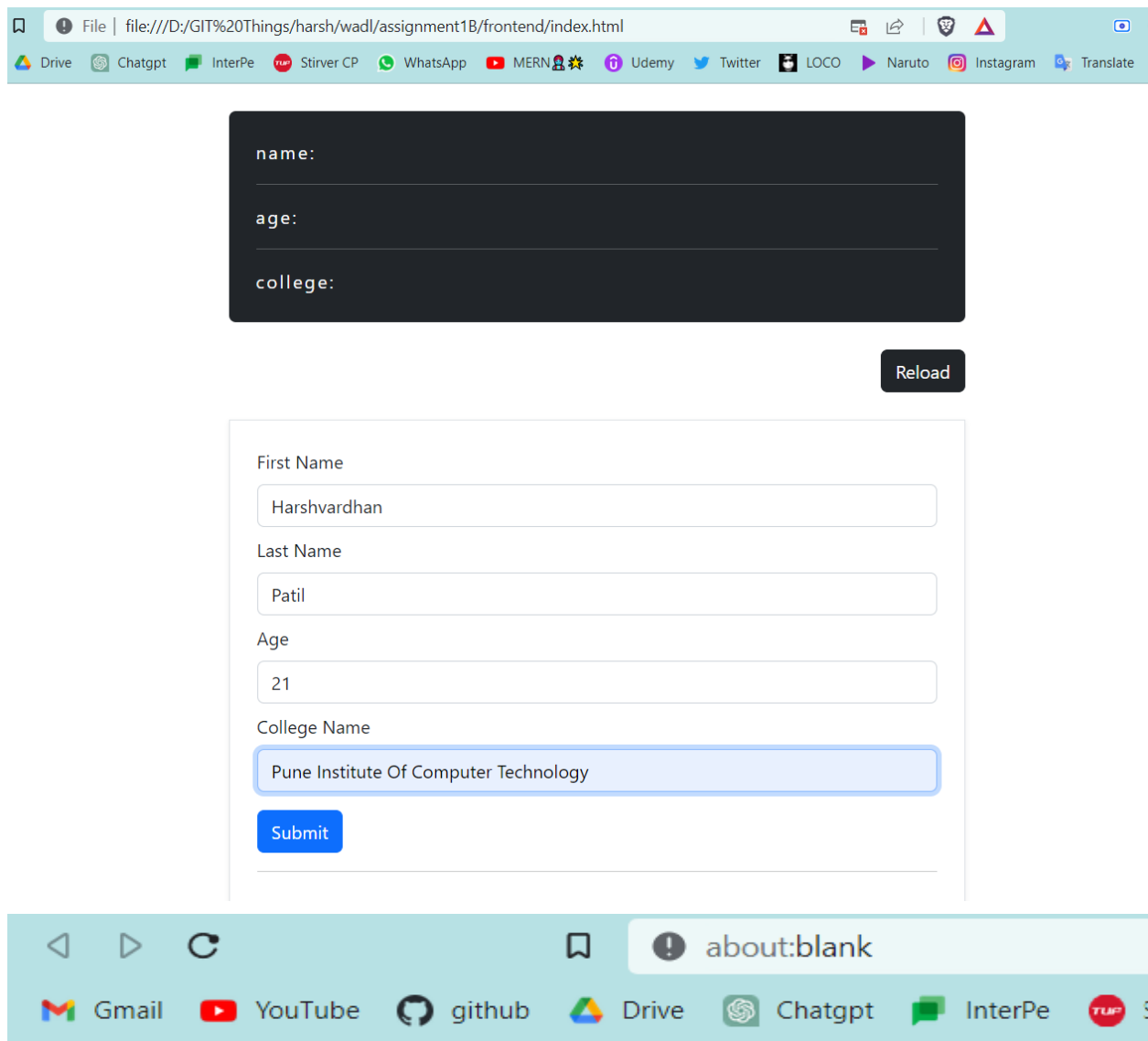
```

```
const lastName = event.target.lastName.value;
const age = event.target.age.value;
const college = event.target.college.value;

$("#msg").html("")
$.ajax({
  type: 'post',
  url: 'http://localhost:3000/',
  data: JSON.stringify({
    firstName, lastName, age, college
  }),
  contentType: "application/json; charset=utf-8",
  traditional: true,
  success: function(data) {
    fetchData();
    $("#msg").html("User Details Updated")
  }
});
});
};
</script>
</body>
</html>
```

## OUTPUT :

### Populating data



The screenshot shows a web browser window with a file path in the address bar: file:///D:/GIT%20Things/harsh/wadl/assignment1B/frontend/index.html. The browser's taskbar at the bottom includes icons for Drive, Chatgpt, InterPe, Stirver CP, WhatsApp, MERN, Udemmy, Twitter, LOCO, Naruto, Instagram, and Translate. The main content area features a dark-themed input form with labels 'name:', 'age:', and 'college:'. Below this is a light-themed form with fields for 'First Name' (Harshvardhan), 'Last Name' (Patil), 'Age' (21), and 'College Name' (Pune Institute Of Computer Technology), along with a blue 'Submit' button. A 'Reload' button is positioned to the right of the light-themed form. The bottom browser bar shows navigation icons and a taskbar with icons for Gmail, YouTube, github, Drive, Chatgpt, InterPe, and TUP.

## User Details

name: Harshvardhan Patil

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age: 21

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college: Pune Institute Of Computer Technology