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## Assignment No.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")
});
```

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## 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/T2uDLTpkwGzCiq6soy8tYal1GyVh/UjpbCx/TYkiZhlZB6+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;

```

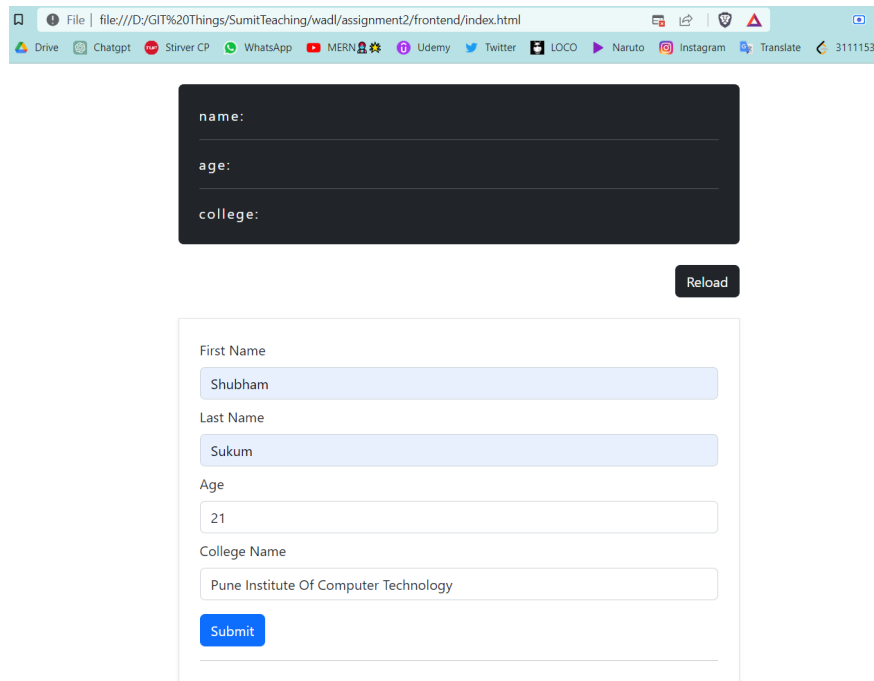
```
const lastName = event.target.lastName.value;
const age = event.target.age.value;
const college = event.target.college.value;

$("#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>
```

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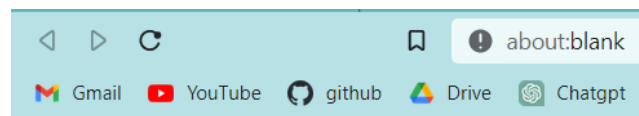
Output =>

## Fill data



The screenshot shows a web browser window with the address bar displaying a file path. The browser's taskbar at the bottom includes icons for Drive, Chatgpt, Stirrer CP, WhatsApp, MERN, Udem, Twitter, LOCO, Naruto, Instagram, Translate, and a task number 3111153. The main content area has a dark-themed form with labels 'name:', 'age:', and 'college:' followed by input fields. A 'Reload' button is positioned to the right of the form. Below this is a light-themed form with labels 'First Name', 'Last Name', 'Age', and 'College Name', each followed by an input field containing the values 'Shubham', 'Sukum', '21', and 'Pune Institute Of Computer Technology' respectively. A blue 'Submit' button is located at the bottom of the light-themed form.

## Data on new page



## User Details

name: Shubham Sukum

age: 21

college: Pune Institute Of Computer Technology