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Subject: Full Stack Lab

Register No: 23MCA1030

Date: 05-09-2023

Exercise 7: AJAX and PHP

Using AJAX and PHP fetch firstname and lastname in two textboxes and display the concatenated name in a third textbox.

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Name Concatenation</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f0f0f0;
      background-image: linear-gradient(to top, #00c6fb 0%, #005bea 100%);
      margin: 0;
      padding: 0;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }

    .container {
      background-color: #fff;
      border-radius: 5px;
      box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.2);
      padding: 20px;
      text-align: center;
    }

    .textbox {
      width: 80%;
      padding: 10px;
      margin: 10px 0;
      border: 1px solid #ccc;
      border-radius: 5px;
    }

    .label {
      font-weight: bold;
```

```

    }

    #fetchName {
        background-color: #007BFF;
        color: #fff;
        border: none;
        padding: 10px 20px;
        border-radius: 5px;
        cursor: pointer;
    }

    #fetchName:hover {
        background-color: #0056b3;
    }
</style>
</head>

<body>
    <div class="container">
        <h2>Name Concatenation</h2>
        <b>Name:</b> Vinayak Kumar Singh
        <br><br>
        <b>Register No:</b> 23MCA1030
        <br><br>
        <label class="label" for="firstName">First Name:</label>
        <input type="text" id="firstName" class="textbox"><br>

        <label class="label" for="lastName">Last Name:</label>
        <input type="text" id="lastName" class="textbox"><br>

        <label class="label" for="concatenatedName">Concatenated Name:</label>
        <input type="text" id="concatenatedName" class="textbox" readonly><br>

        <button id="fetchName">Fetch Name</button>
    </div>

    <script>
        document.getElementById("fetchName").addEventListener("click", function () {
            var firstName = document.getElementById("firstName").value;
            var lastName = document.getElementById("lastName").value;

            var xhr = new XMLHttpRequest();
            xhr.open("POST", "http://localhost:8080/fetchName.php", true);

            xhr.setRequestHeader("Content-Type", "application/x-www-form-urlencoded");

            xhr.onreadystatechange = function () {
                if (xhr.readyState === 4 && xhr.status === 200) {
                    var concatenatedName = xhr.responseText;
                    document.getElementById("concatenatedName").value = concatenatedName;
                }
            }
        });
    </script>

```

```

    }
};

    var data = "firstName=" + encodeURIComponent(firstName) + "&lastName=" +
encodeURIComponent(lastName);
    xhr.send(data);
});
</script>
</body>

</html>

```

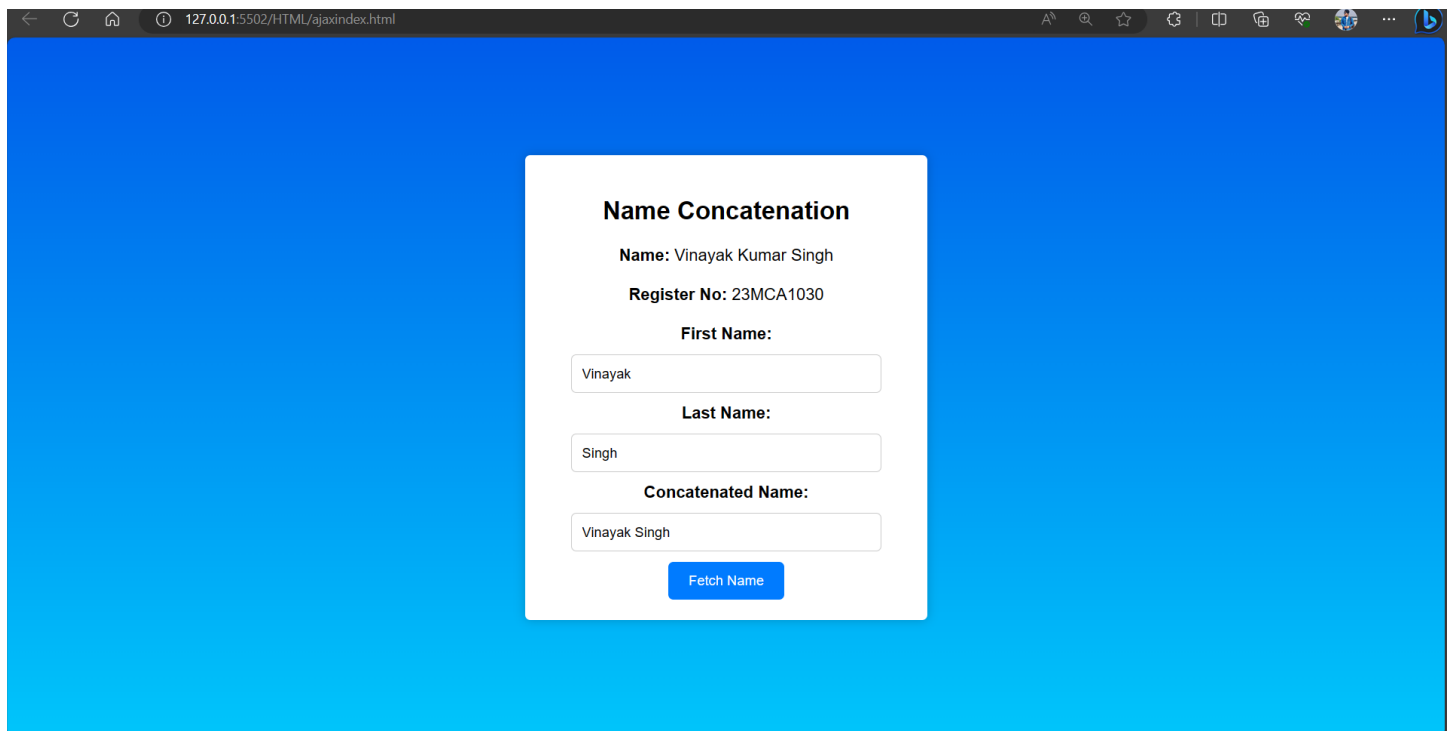
PHP File :

```

<?php
if(isset($_POST['firstName']) && isset($_POST['lastName'])){
    $firstName = $_POST['firstName'];
    $lastName = $_POST['lastName'];
    $concatenatedName = $firstName . ' ' . $lastName;
    echo $concatenatedName;
}
?>

```

Output:



The screenshot shows a web browser window with a blue background. In the center, there is a white box titled "Name Concatenation". Inside the box, the following information is displayed:

- Name:** Vinayak Kumar Singh
- Register No:** 23MCA1030
- First Name:** Vinayak (input field)
- Last Name:** Singh (input field)
- Concatenated Name:** Vinayak Singh (output field)
- Fetch Name** (button)

END