Application Security Lab Assignment

Name: Swanand Garge

Div : D(D2)

Roll no :42

SRN: 202201589

Q . *Use GET and POST method on a basic input login form*

CODE:

POST METHOD

Index.php

```html
<!DOCTYPE html>
<html>
<head>
    <title>Form Validation</title>
</head>
<body>
    <h2>Validation Form</h2>
    <form action="process.php" method="post">
        <label for="name">Name:</label><br>
        <input type="text" id="name" name="name"><br>

        <label for="email">Email:</label><br>
        <input type="email" id="email" name="email"><br>

        <input type="submit" value="Submit">
    </form>
</body>
```
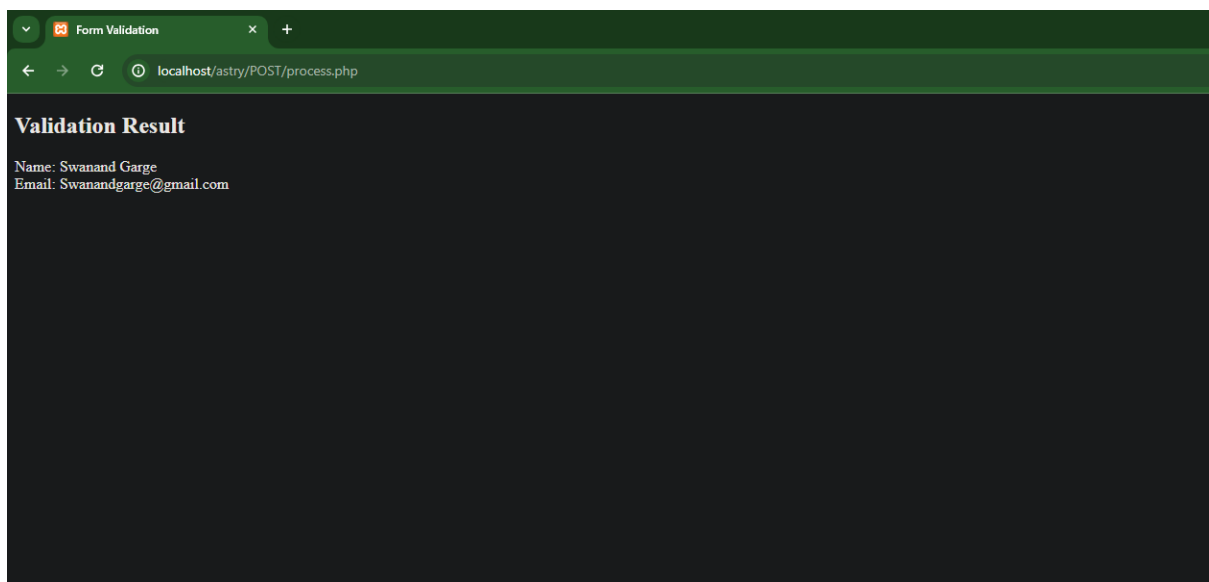
```
</html>
```

Process.php

```php
<!DOCTYPE html>
<html>
<head>
    <title>Form Validation</title>
</head>
<body>
    <h2>Validation Result</h2>
    <?php
    // Validate form data
    if ($_SERVER["REQUEST_METHOD"] == "POST") {
        $name = $_POST['name'];
        $email = $_POST['email'];

        // Simple validation
        if (empty($name) || empty($email)) {
            echo "Please fill in all fields.";
        } elseif (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
            echo "Invalid email format.";
        } else {
            // Validation successful, display data using GET method
            echo "Name: " . $_GET['name'] . "<br>";
            echo "Email: " . $_GET['email'];
        }
    }
    ?>
</body>
</html>
```

Output:

GET METHOD:

Index.php

```html
<!DOCTYPE html>
<html>
<head>
    <title>Form Validation</title>
</head>
<body>
    <h2>Validation Form</h2>
    <form action="process.php" method="get">
        <label for="name">Name:</label><br>
        <input type="text" id="name" name="name"><br>
```

```html
            <label for="email">Email:</label><br>
            <input type="email" id="email" name="email"><br>

            <input type="submit" value="Submit">
        </form>
    </body>
</html>
```

Process.php

```php
<!DOCTYPE html>
<html>
<head>
    <title>Form Validation</title>
</head>
<body>
    <h2>Validation Result</h2>
    <?php
    // Validate form data
    if ($_SERVER["REQUEST_METHOD"] == "GET") {
        $name = $_GET['name'];
        $email = $_GET['email'];

        // Simple validation
        if (empty($name) || empty($email)) {
            echo "Please fill in all fields.";
        } elseif (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
            echo "Invalid email format.";
        } else {
            // Validation successful, display data
            echo "Name: " . $name . "<br>";
            echo "Email: " . $email;
        }
    }
    ?>
</body>
</html>
```
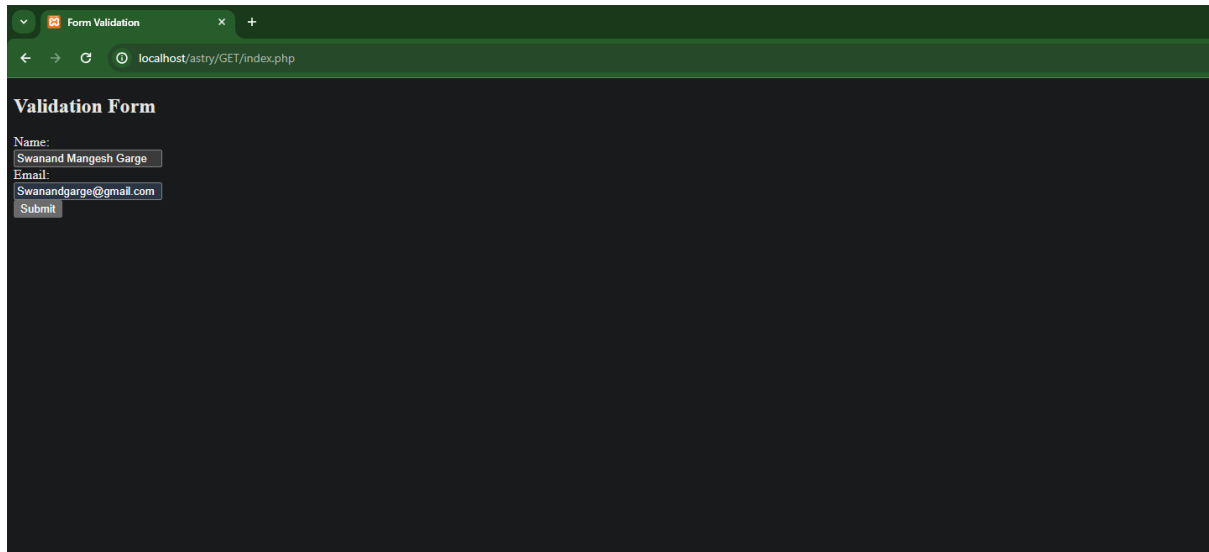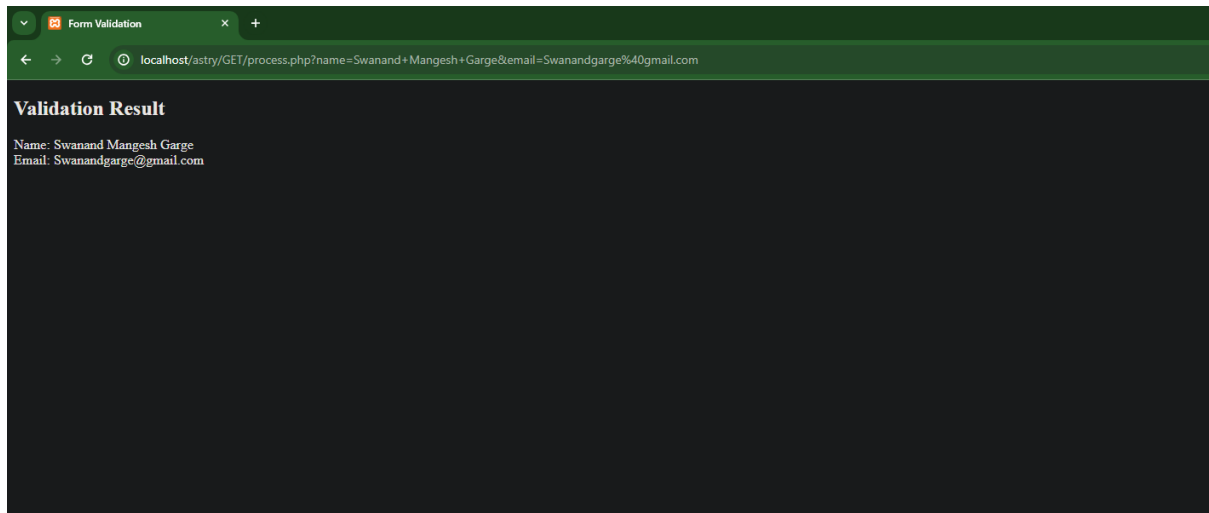
Output:

Conclusion:In conclusion, both the POST and GET methods are utilized for form submission. POST method securely sends data to the server while GET method exposes data in the URL. Each form has basic validation for name and email fields. Upon successful validation, the data is displayed accordingly. However, in the POST method, the displayed data retrieval is incorrectly attempted using GET, resulting in erroneous output.