1.user input to uppercase string,reverse string and count vowels in string

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <h2>Name : niya dodiya</h2>

    <br>

    <h2>roll no : 2199</h2>

    <br>

    <h2>fa2</h2>

    <h2>String convertion</h2>

    <input type="text" id ="demo" placeholder="enter the string">

    <select id="operation">

        <option value="uppercase">conver to uppercase</option>

        <option value="reverse-string">conver to reverse string</option>

        <option value="countvowel">count the vowels</option>

    </select>

    <button onclick="performoperation()">submite</button>

    <p id="result"></p>

</body>

<script>

    function performoperation(){

        let input = document.getElementById("demo").value;

        let operation = document.getElementById("operation").value;

        let result=" ";

        if(operation ==="uppercase"){

            result=input.toUpperCase();

        }

        else if(operation === "reverse-string"){

            result=input.split("").reverse().join("");

        }

        else if(operation === "countvowel"){

            let count=(input.match(/[aeiouAEIOU]/g)||[]).length;

            result=`number of vowels : ${count}`;

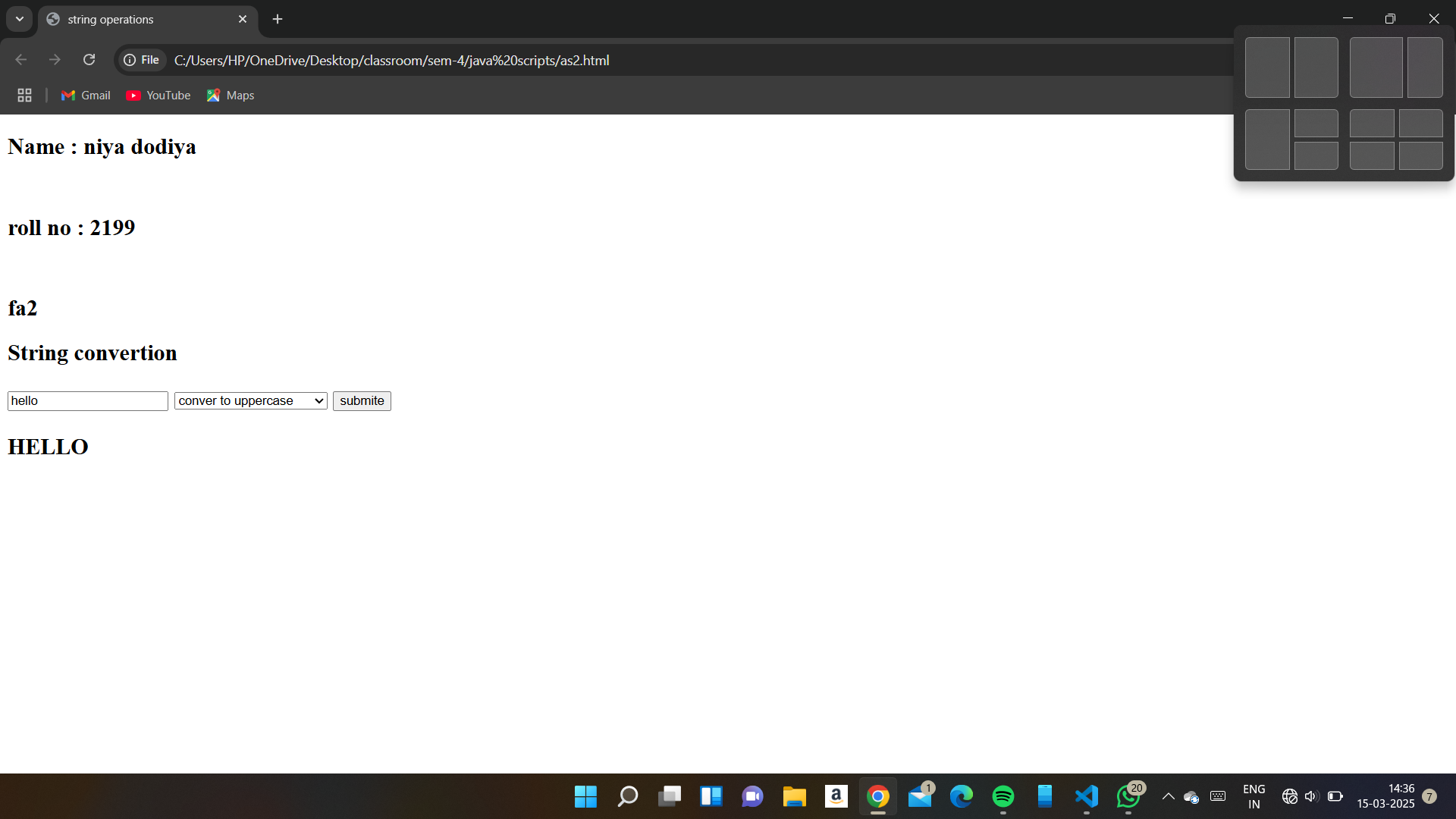
        }

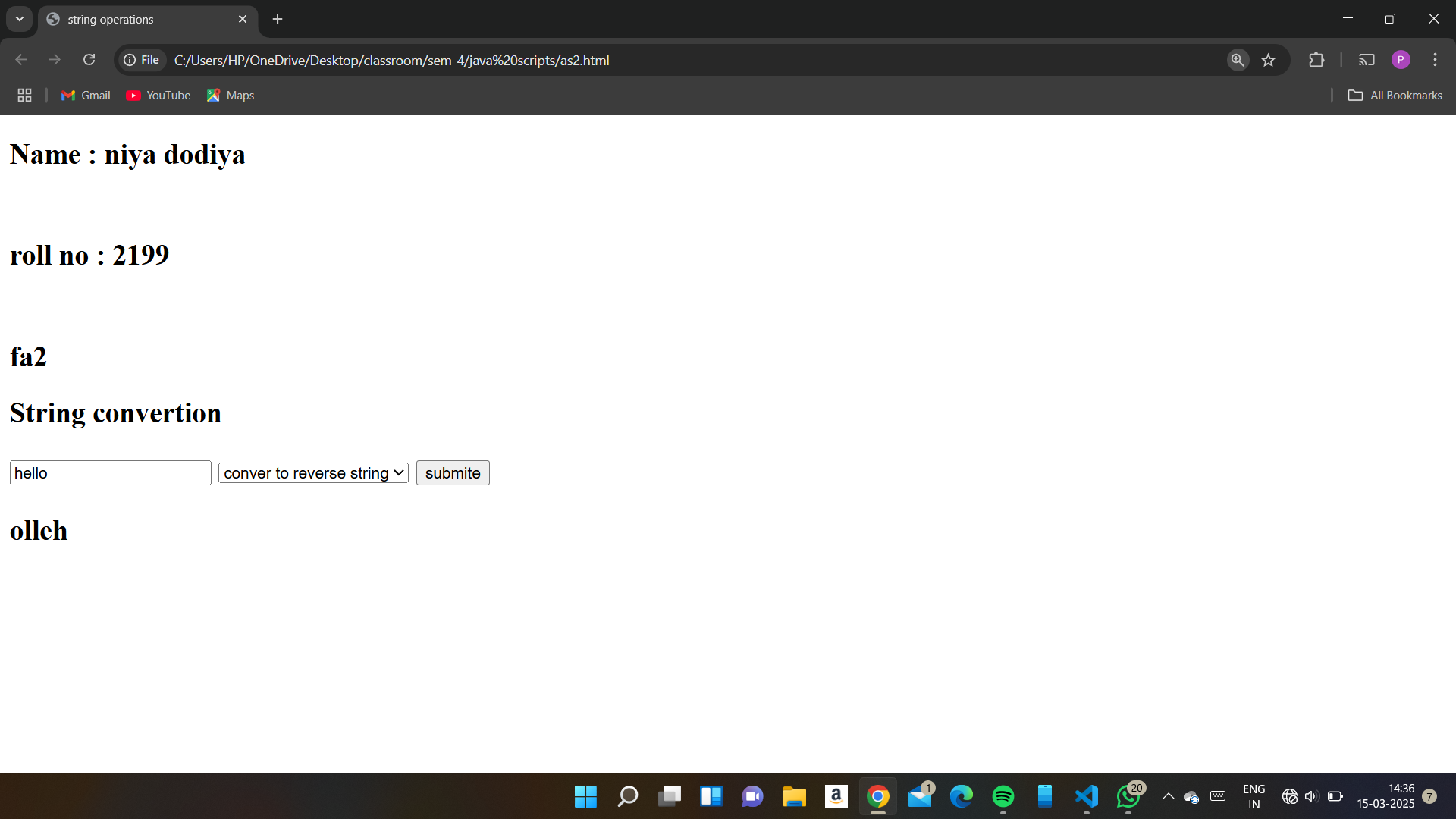
       document.getElementById("result").innerText=result;

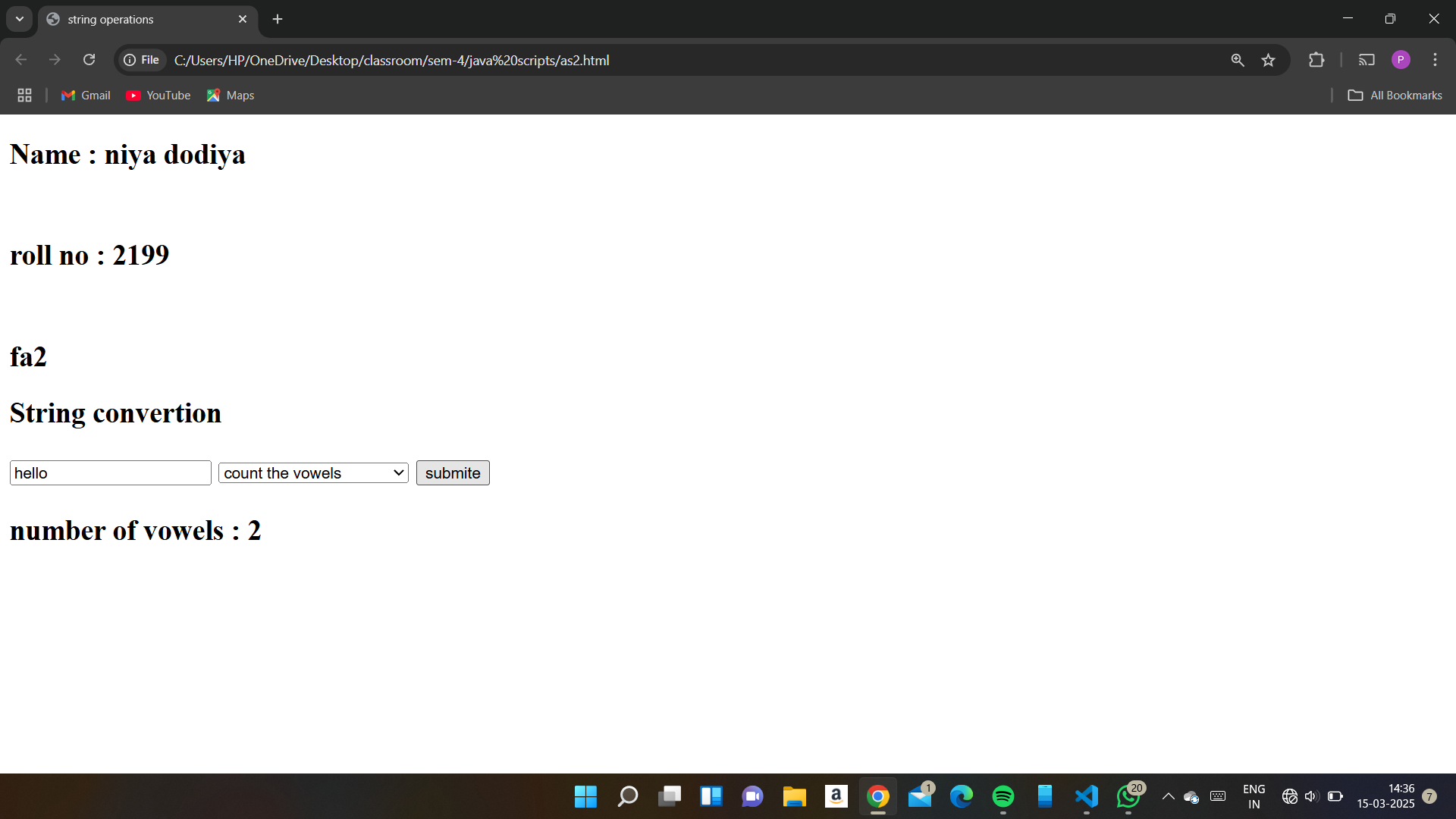
    }

</script>

</html>







2.fibonacci series

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>fibonacci sequnce</title>

</head>

<body>

    <h2>Name : niya dodiya</h2>

    <br>

    <h2>roll no : 2199</h2>

    <br>

    <h2>fa2</h2>

    <h2>fibonnacci series</h2>

    <h2>

    <input type="number" id ="demo" placeholder="enter the string">

    <button onclick="fibo()">submit</button>

    <p id="result"></p>

</body>

<script>

    function fibo(){

        let n=document.getElementById("demo").value;

        let fib=[0,1];

        let i;

        for(i=2;i<n;i++){

            fib[i]=fib[i-1]+fib[i-2];

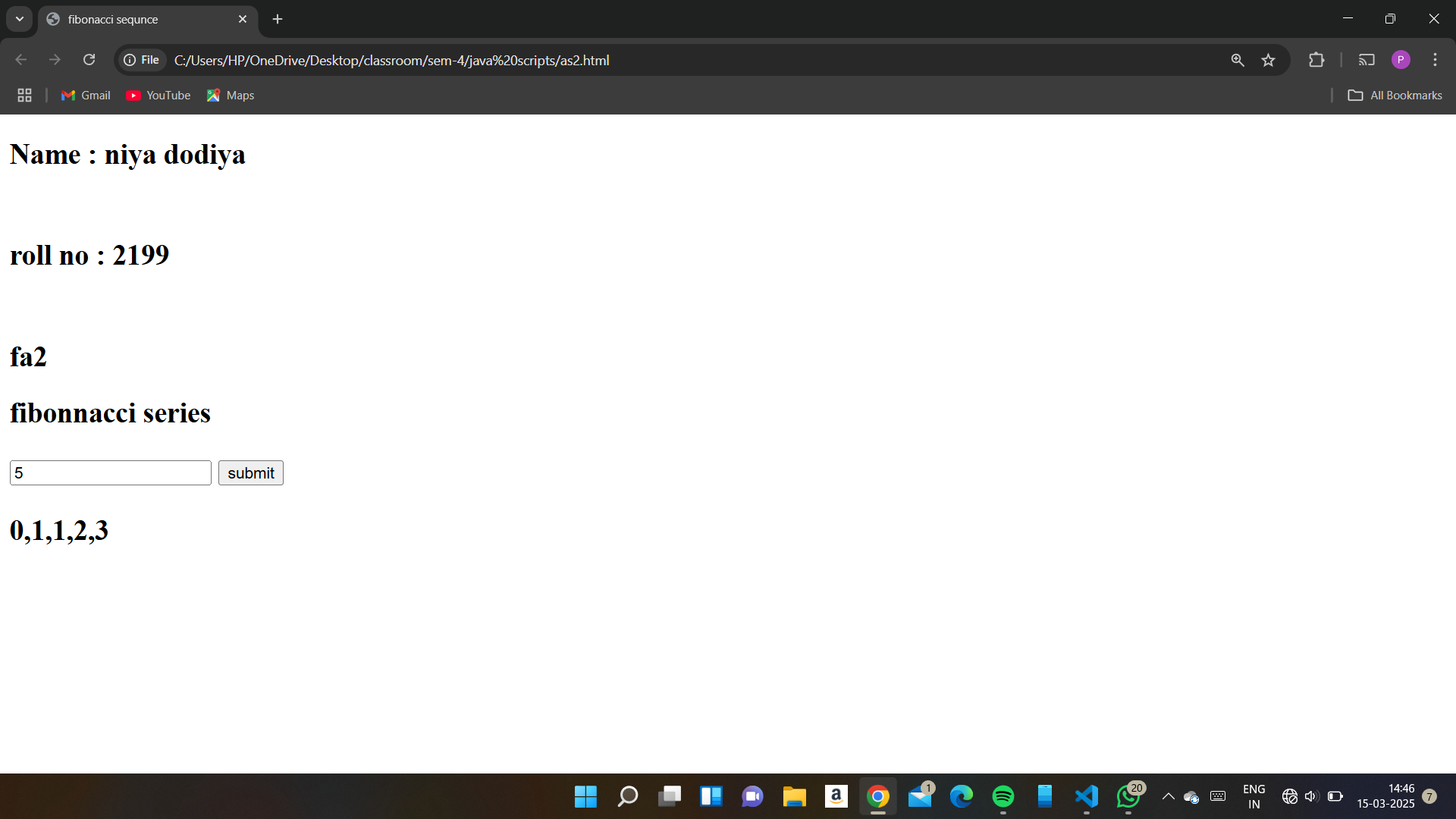
        }

        document.getElementById("result").innerText=fib.slice(0,n).join(",");

    }

</script>

</html>



3.dropdown background color

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>change background color</title>

</head>

<style>

</style>

<body>

    <h2>Name : niya dodiya</h2>

    <br>

    <h2>roll no : 2199</h2>

    <br>

    <h2>fa2</h2>

    <h2>change background color</h2>

    <select id="dropdown" onchange="changecolor()">

    <option value="white">white</option>

    <option value="blue">blue</option>

    <option value="green">green</option>

    <option value="purple">purple</option>

    <option value="red">red</option>

    </select>

</body>

<script>

    function changecolor(){

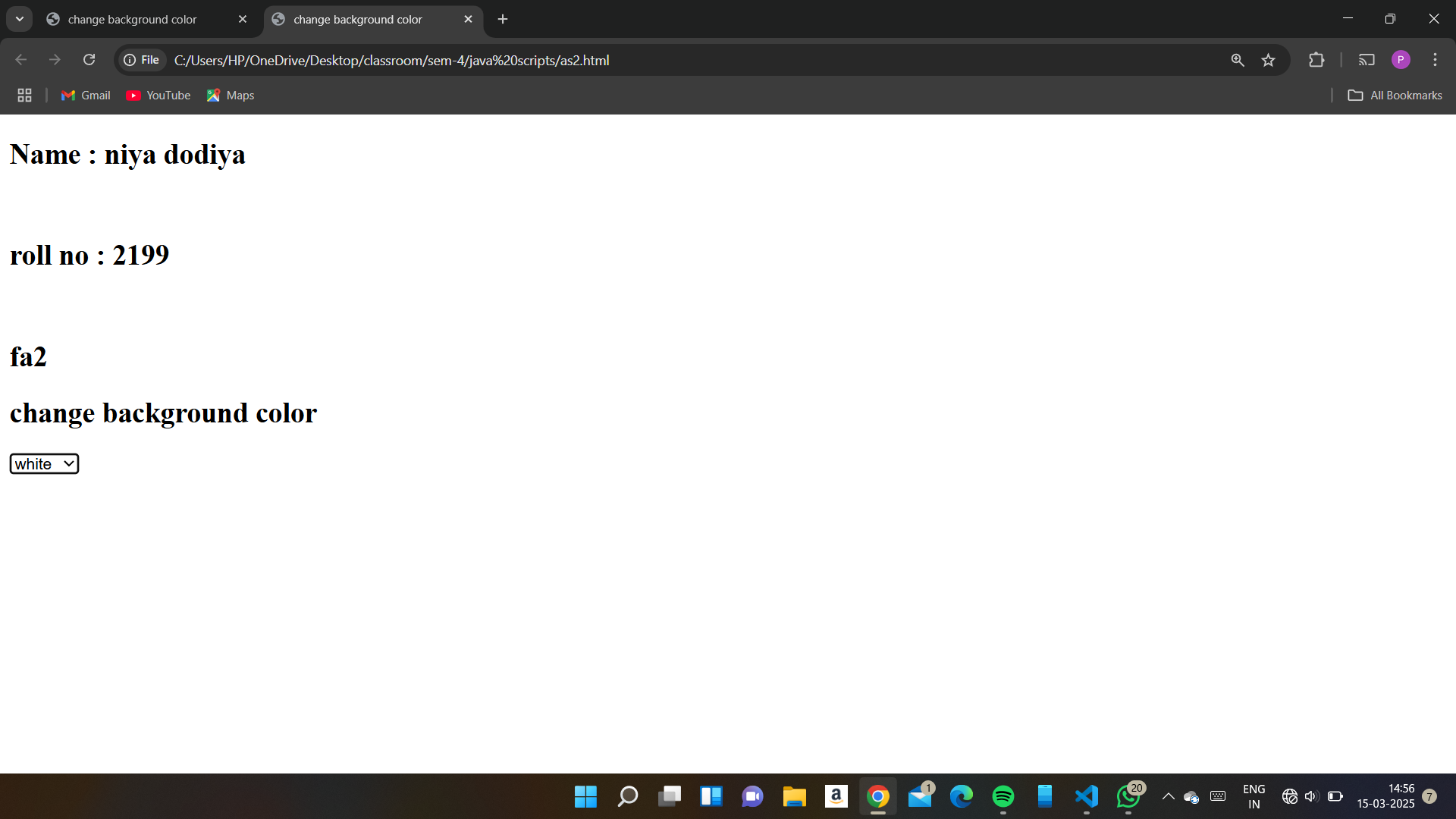
        let color=document.getElementById("dropdown").value;

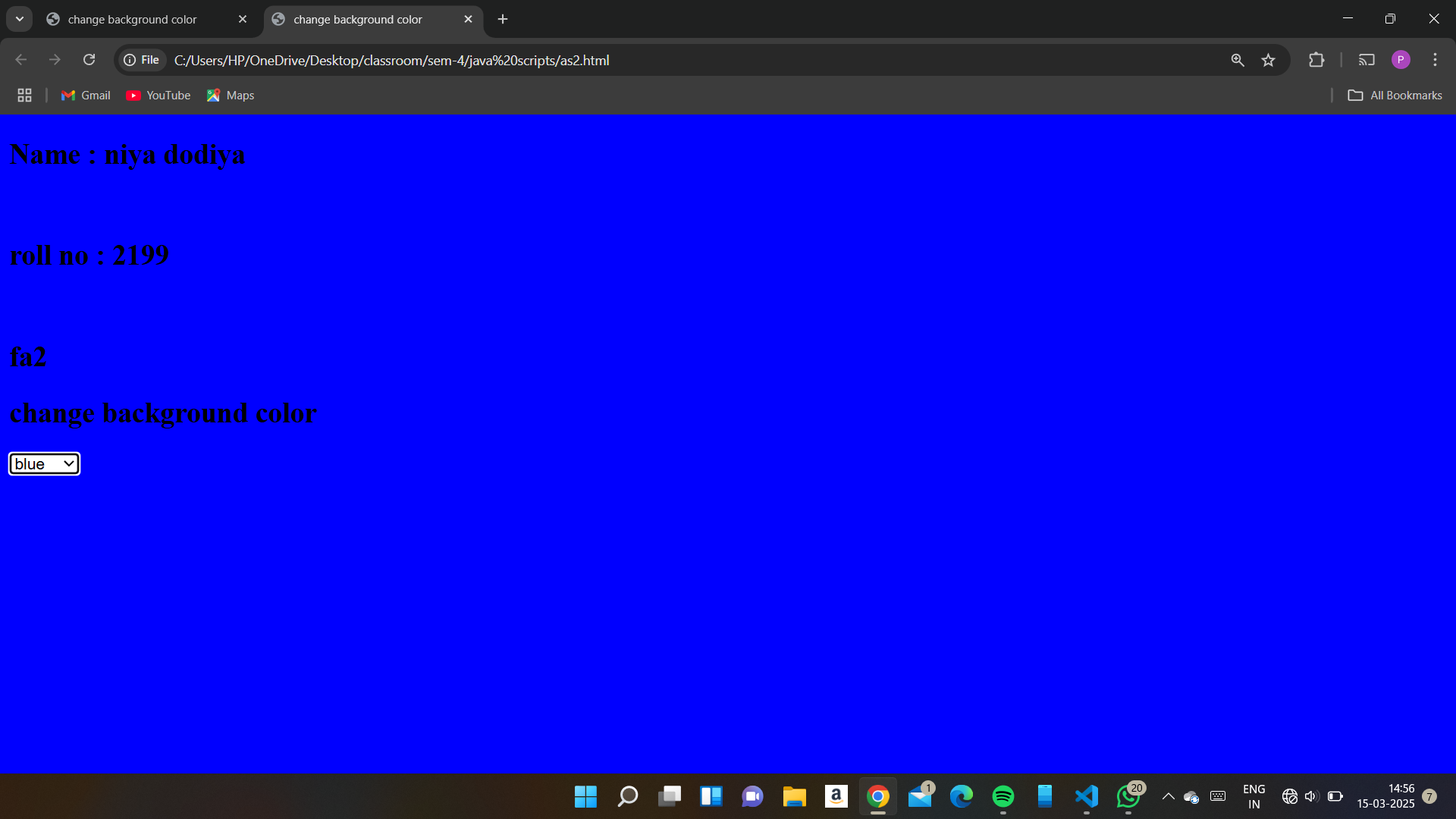
        document.body.style.backgroundColor=color;

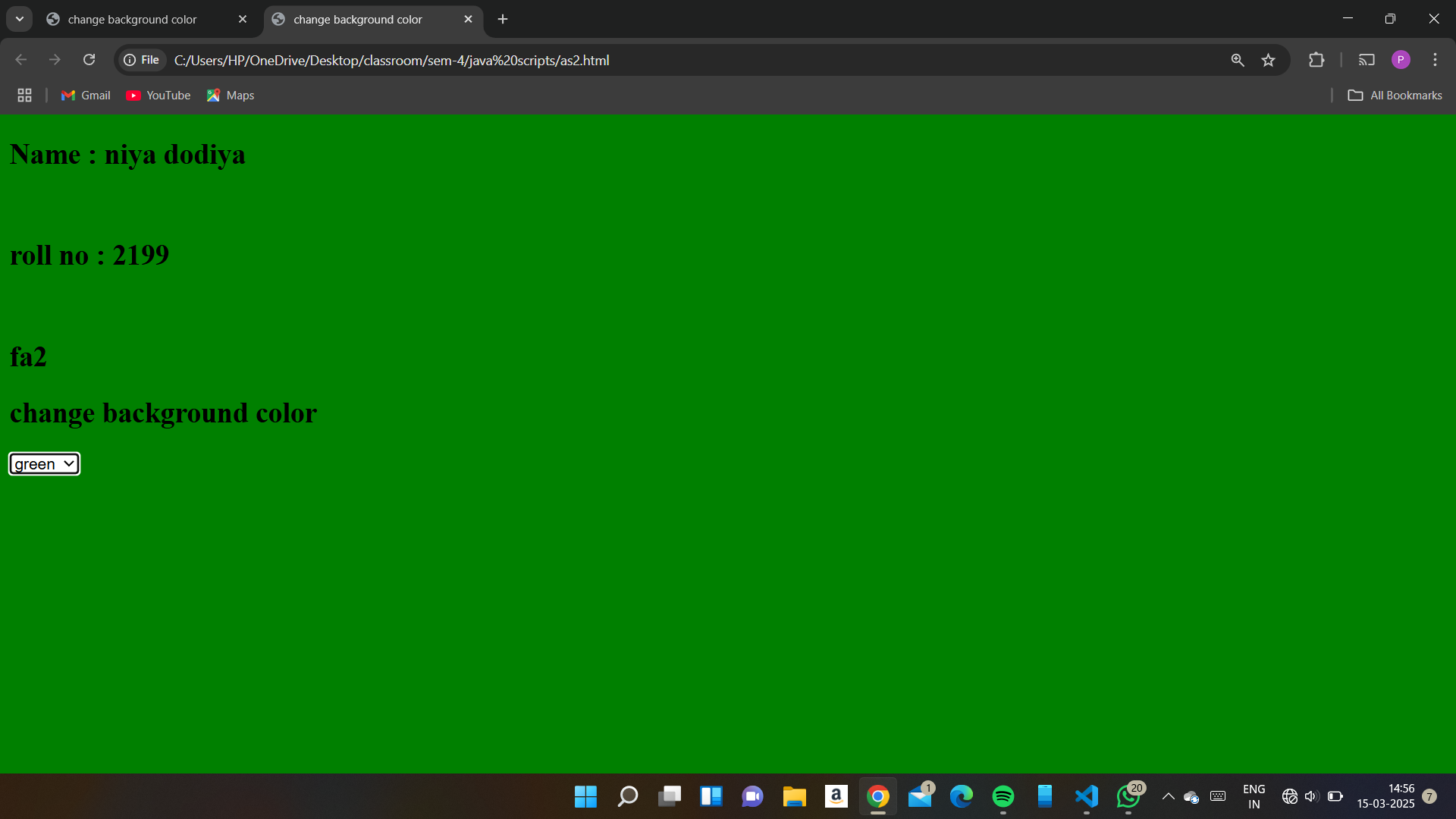
    }

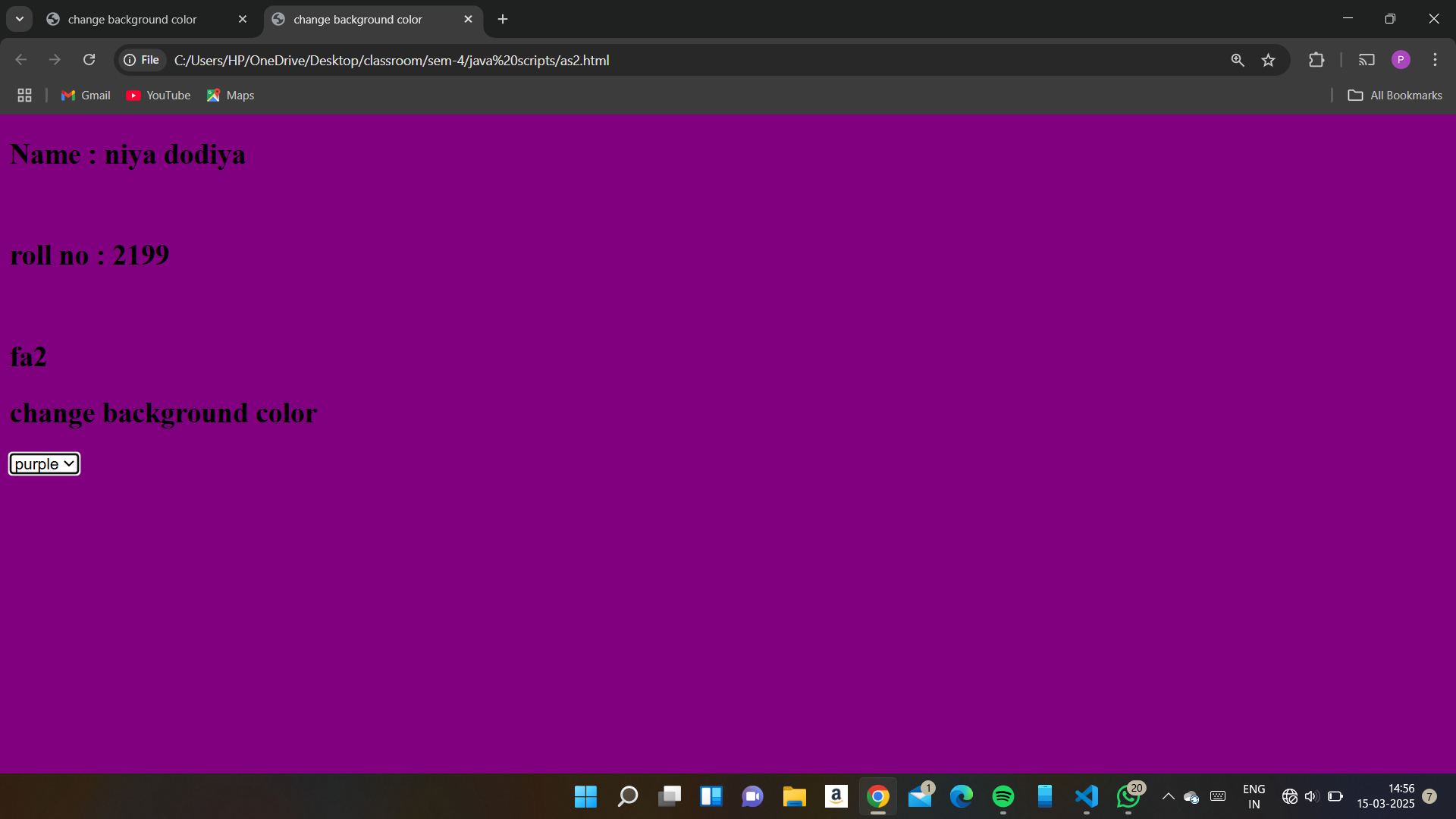
</script>

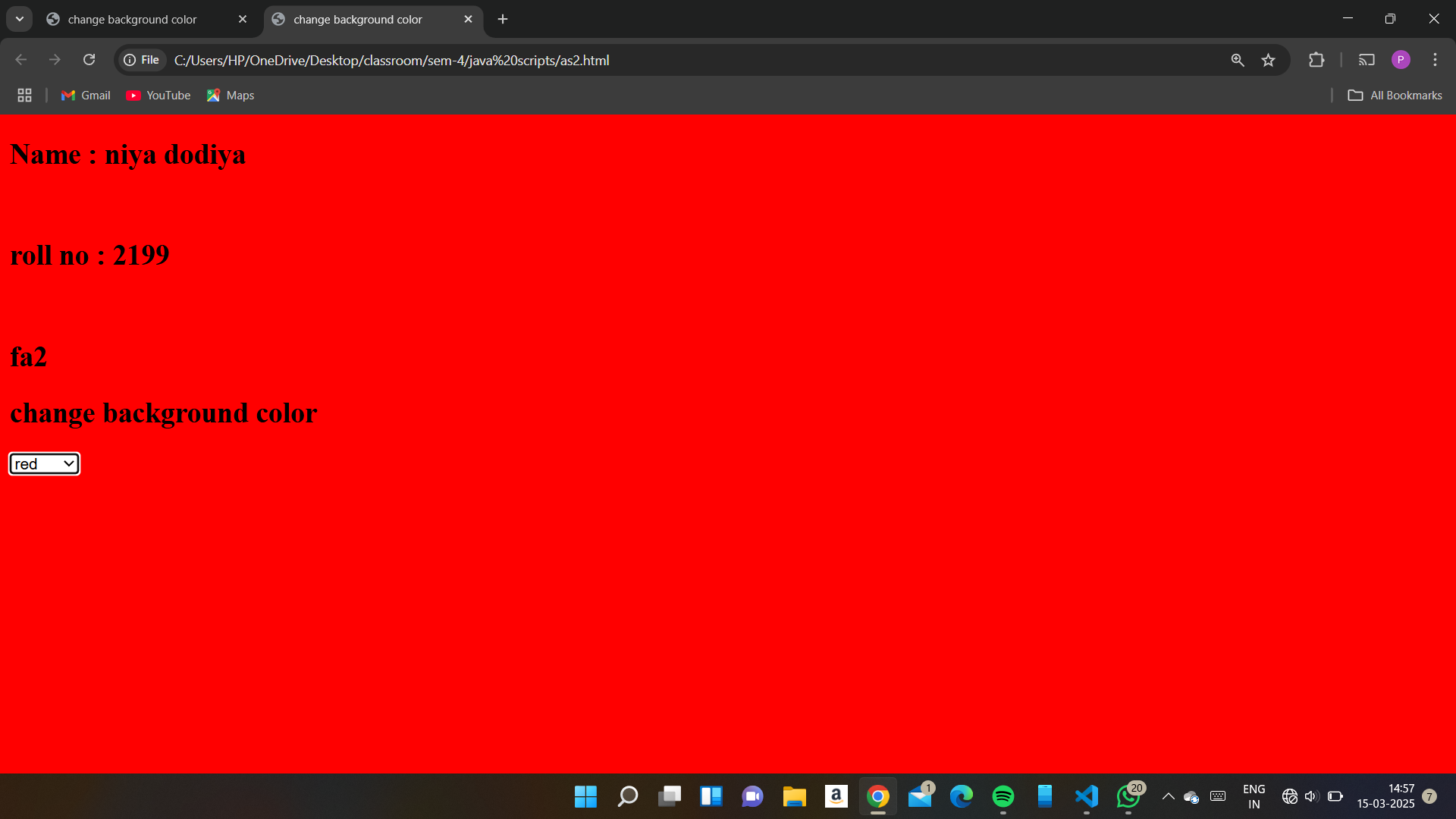
</html>











4.hovereffect on boxes

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<style>

    .box{

        color: aliceblue;

        background-color: brown;

        /\* border: 2ph; \*/

        width: 50vh;

        height: 10vh;

        display: inline-block;

        margin: 10px;

        transition: all 0.3s;

    }

    .box:hover{

        border-color: black;

        background-color: aqua;

        color: blue;

        border: 5px solid blue;

        text-align: center;

    }

</style>

<body>

    <h2>Name : niya dodiya</h2>

    <h2>roll no : 2199</h2>

    <h2>fa2</h2>

    <h2>4.hovereffect on boxes</h2>

    <div class="box">box1</div>

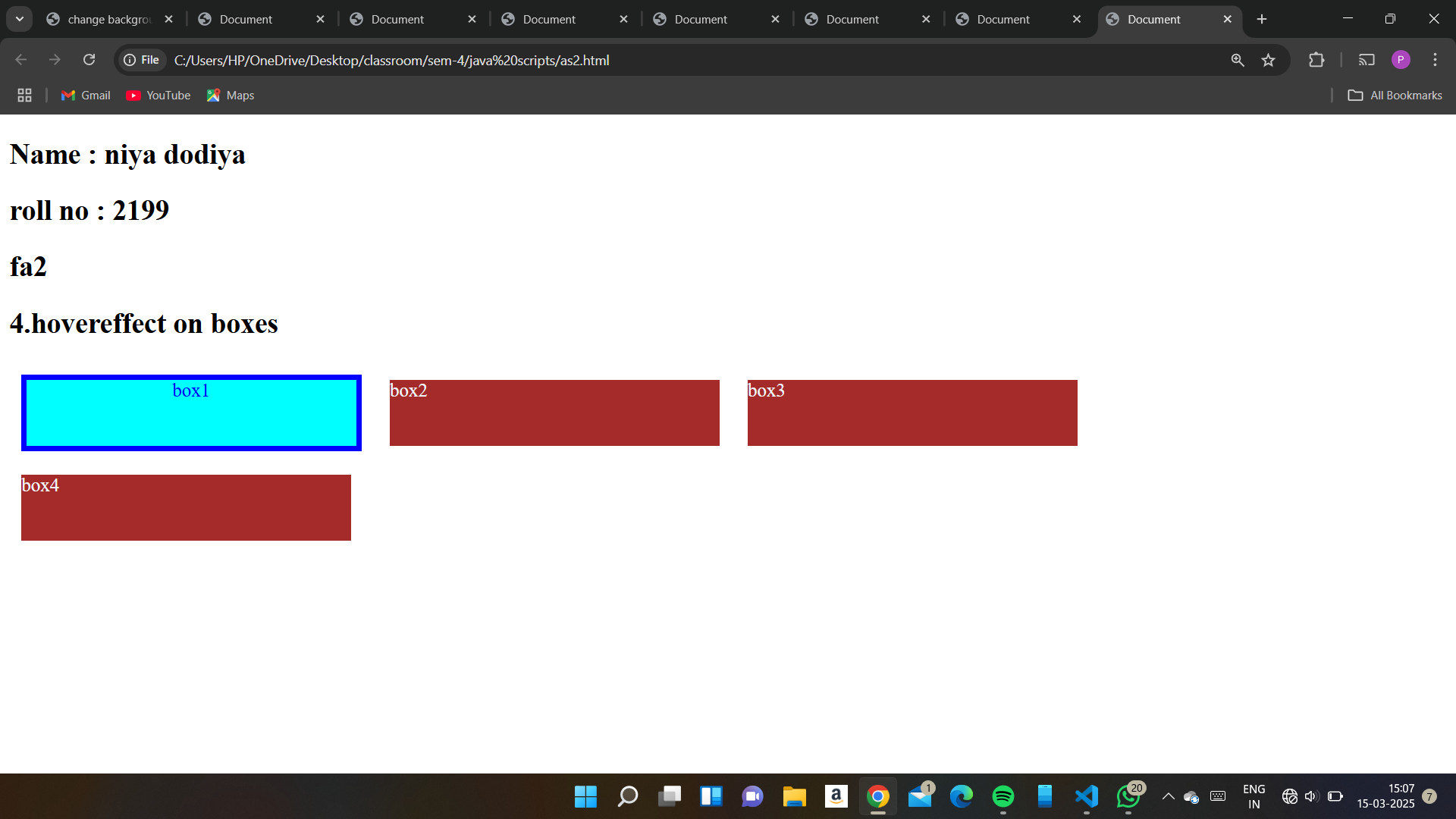
    <div class="box">box2</div>

    <div class="box">box3</div>

    <div class="box">box4</div>

</body>

</html>



**5.stopwatch**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

**<meta name="viewport" content="width=device-width, initial-scale=1.0">**

**<title>stopwatch</title>**

**</head>**

**<style>**

**button{**

**height: 50px;**

**width: 78px;**

**color: black;**

**background-color: beige;**

**/\* align-items: center; \*/**

**text-align: center;**

**}**

**</style>**

**<body>**

**<h2>Name : niya dodiya</h2>**

**<h2>roll no : 2199</h2>**

**<h2>fa2</h2>**

**<h2>stopwatch</h2>**

**<p id="timmer">0</p>**

**<button id="start">start</button>**

**<button id="reset">reset</button>**

**<button id="pause">pause</button>**

**</body>**

**<script>**

**let time=0,interval;**

**let isrunning=false;**

**document.getElementById("start").addEventListener("click",function(){**

**if(!isrunning){**

**isrunning=true;**

**interval=setInterval(()=> {**

**time++;**

**document.getElementById("timmer").innerText=time;**

**},1000);**

**}**

**});**

**document.getElementById("reset").addEventListener("click",function(){**

**clearInterval(interval);**

**time=0;**

**isrunning=false;**

**document.getElementById("timmer").innerText=0;**

**});**

**document.getElementById("pause").addEventListener("click",function(){**

**clearInterval(interval);**

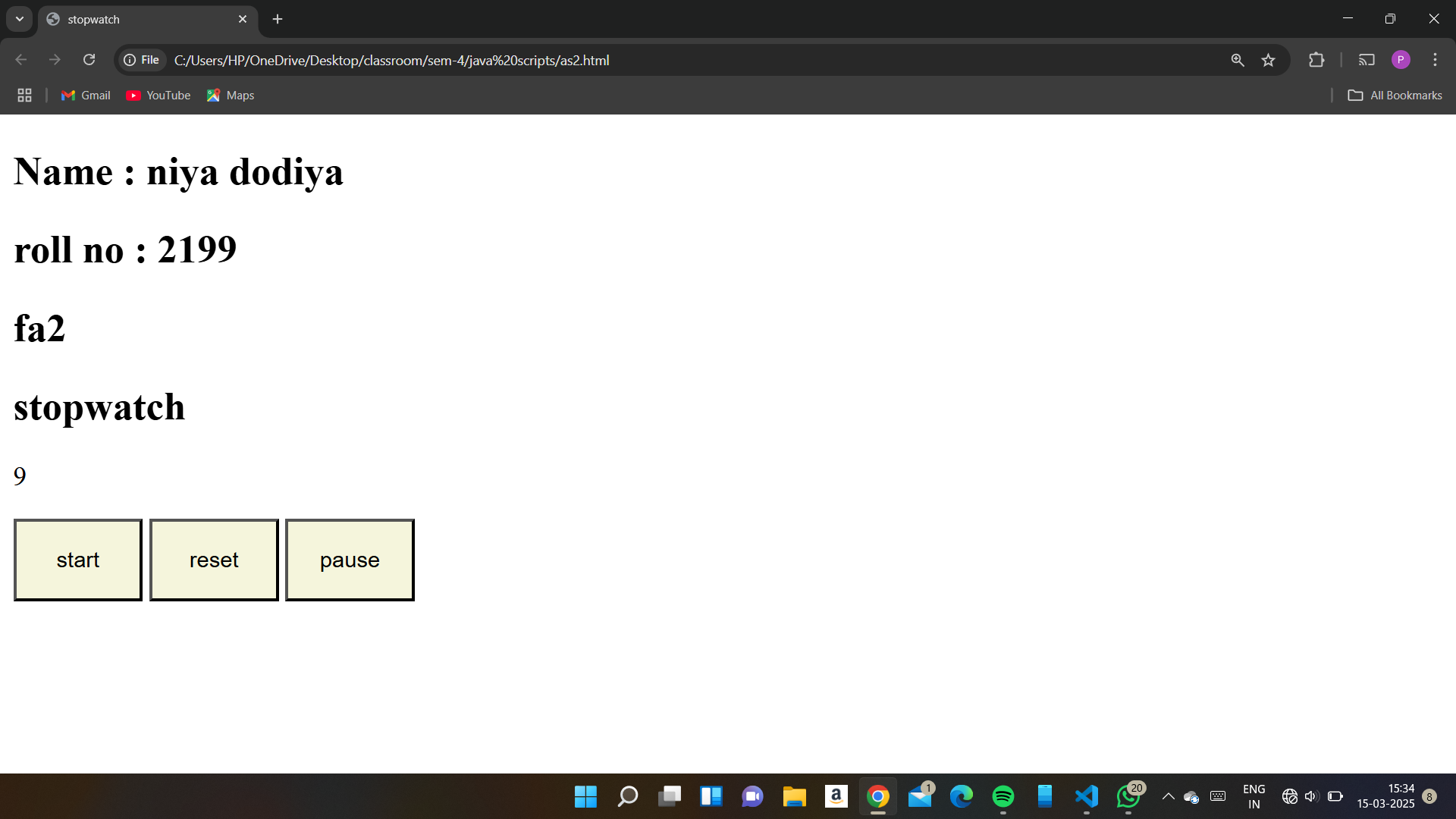
**isrunning=false;**

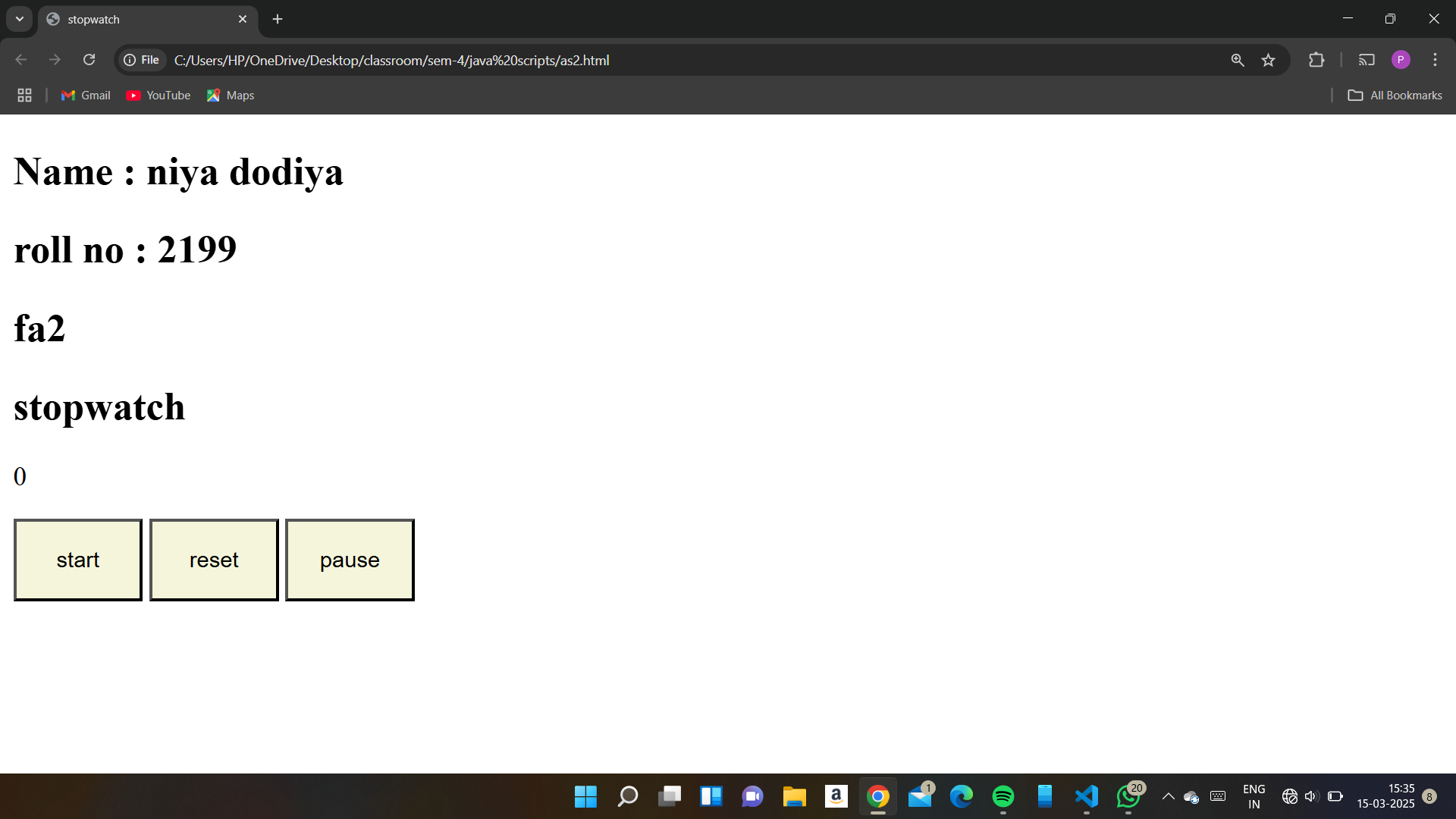
**// document.getElementById("timmer").innerText=0;**

**});**

**</script>**

**</html>**





**6.quiz game**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

**<meta name="viewport" content="width=device-width, initial-scale=1.0">**

**<title>quiz game</title>**

**</head>**

**<body>**

**<h2>Name : niya dodiya</h2>**

**<h2>roll no : 2199</h2>**

**<h2>fa2</h2>**

**<h2>quiz game</h2>**

**<form id="quizform">**

**<p >what is 2+2+2 ?</p>**

**<input type="radio" name="q1" value="4">4**

**<input type="radio" name="q1" value="5">5**

**<input type="radio" name="q1" value="6">6**

**<button type="button" onclick="checkanswer()">check</button>**

**</form>**

**<p id="score"></p>**

**</body>**

**<script>**

**function checkanswer(){**

**let answer=document.querySelector('input[name="q1"]:checked');**

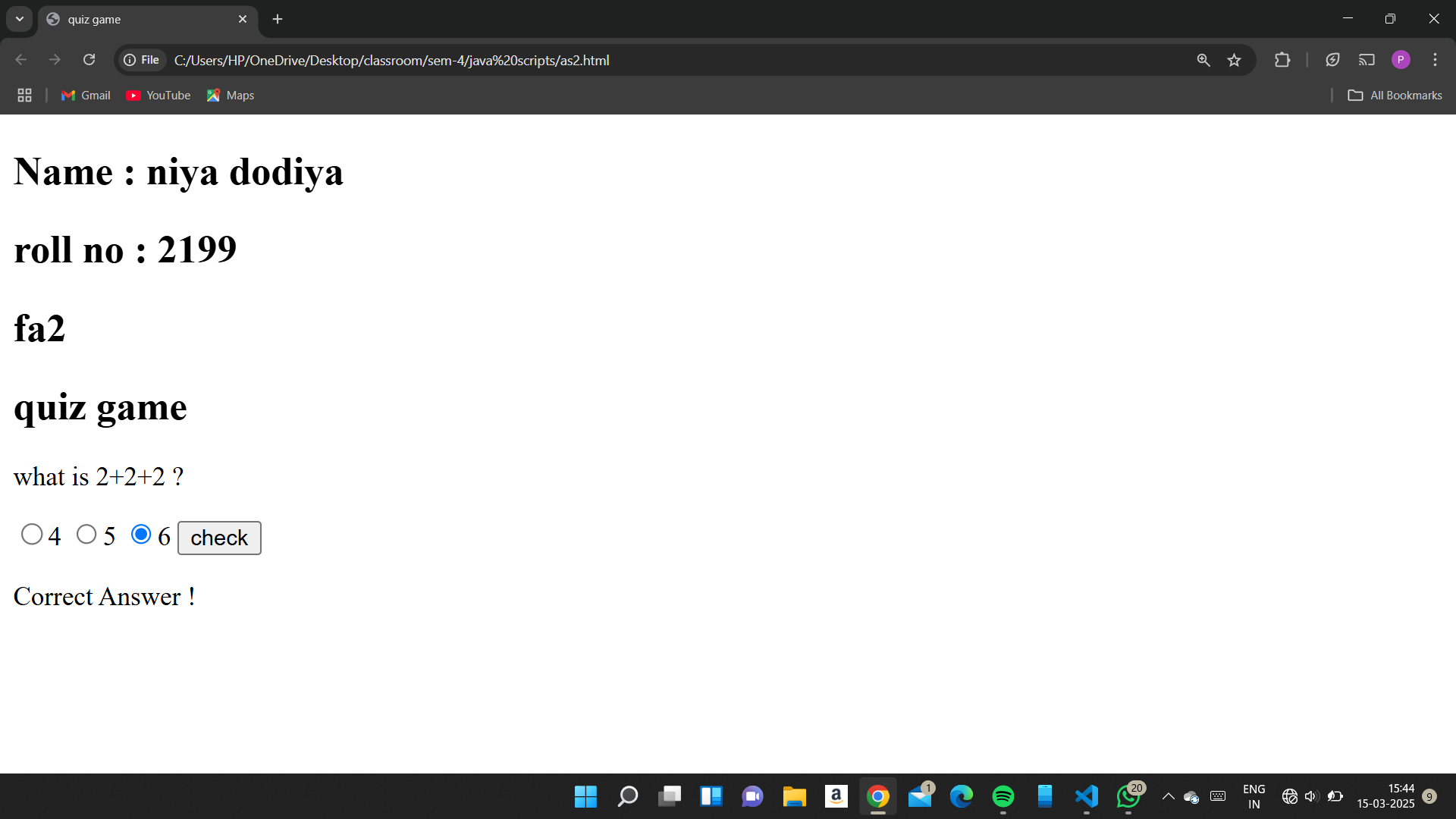
**let score= answer && answer.value == "6" ? "Correct Answer !" : "Wrong Answer";**

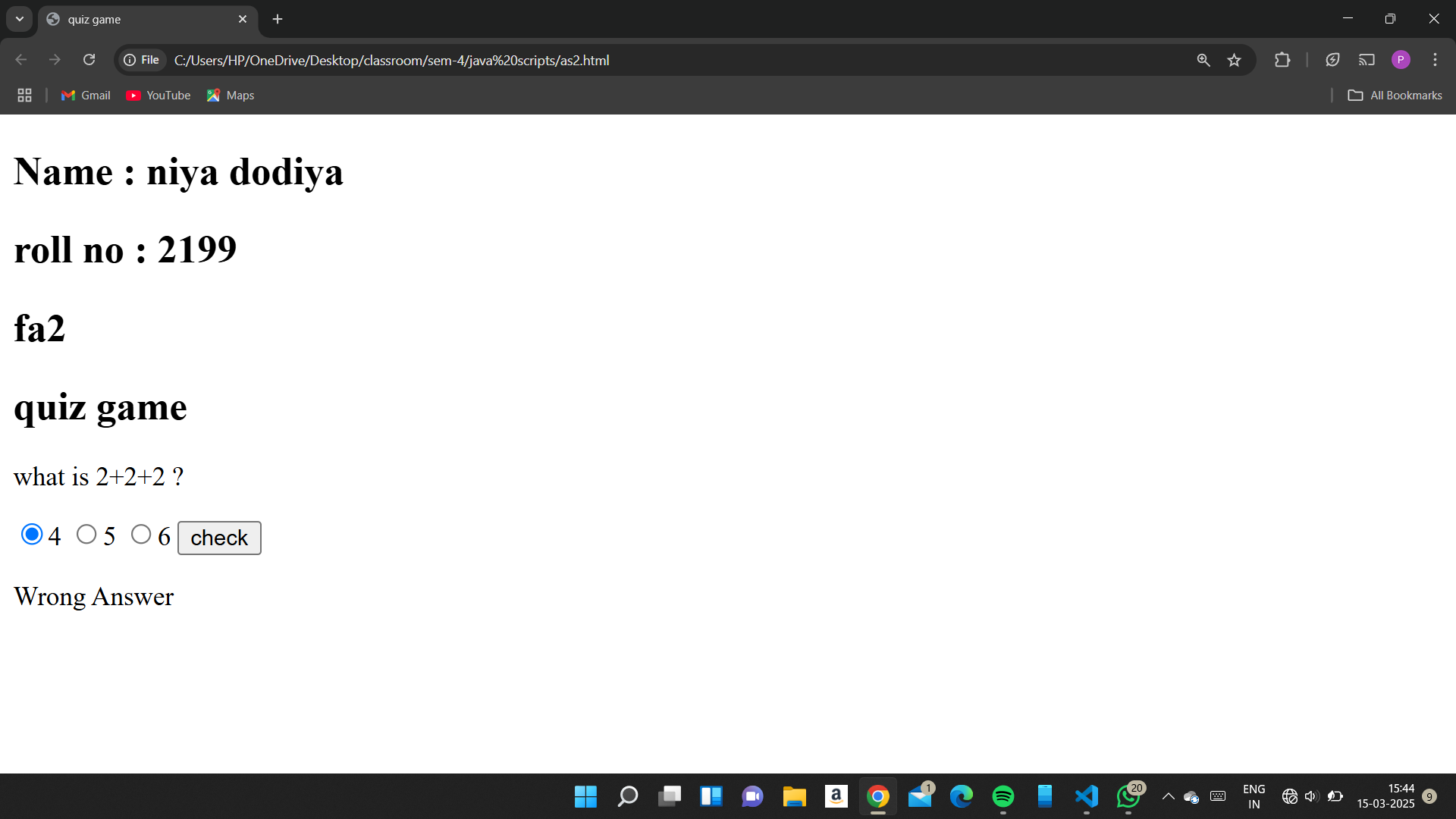
**document.getElementById("score").innerText=score;**

**}**

**</script>**

**</html>**





**7.button click event**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

**<meta name="viewport" content="width=device-width, initial-scale=1.0">**

**<title>7.button click event</title>**

**</head>**

**<style>**

**button{**

**height: 50px;**

**width: 78px;**

**color: black;**

**background-color: beige;**

**/\* align-items: center; \*/**

**text-align: center;**

**}**

**</style>**

**<body>**

**<h2>Name : niya dodiya</h2>**

**<h2>roll no : 2199</h2>**

**<h2>fa2</h2>**

**<h2>button click events single click and double click</h2>**

**<button id="btn">click me!</button>**

**</body>**

**<script>**

**let btn=document.getElementById("btn");**

**btn,addEventListener("click", () =>**

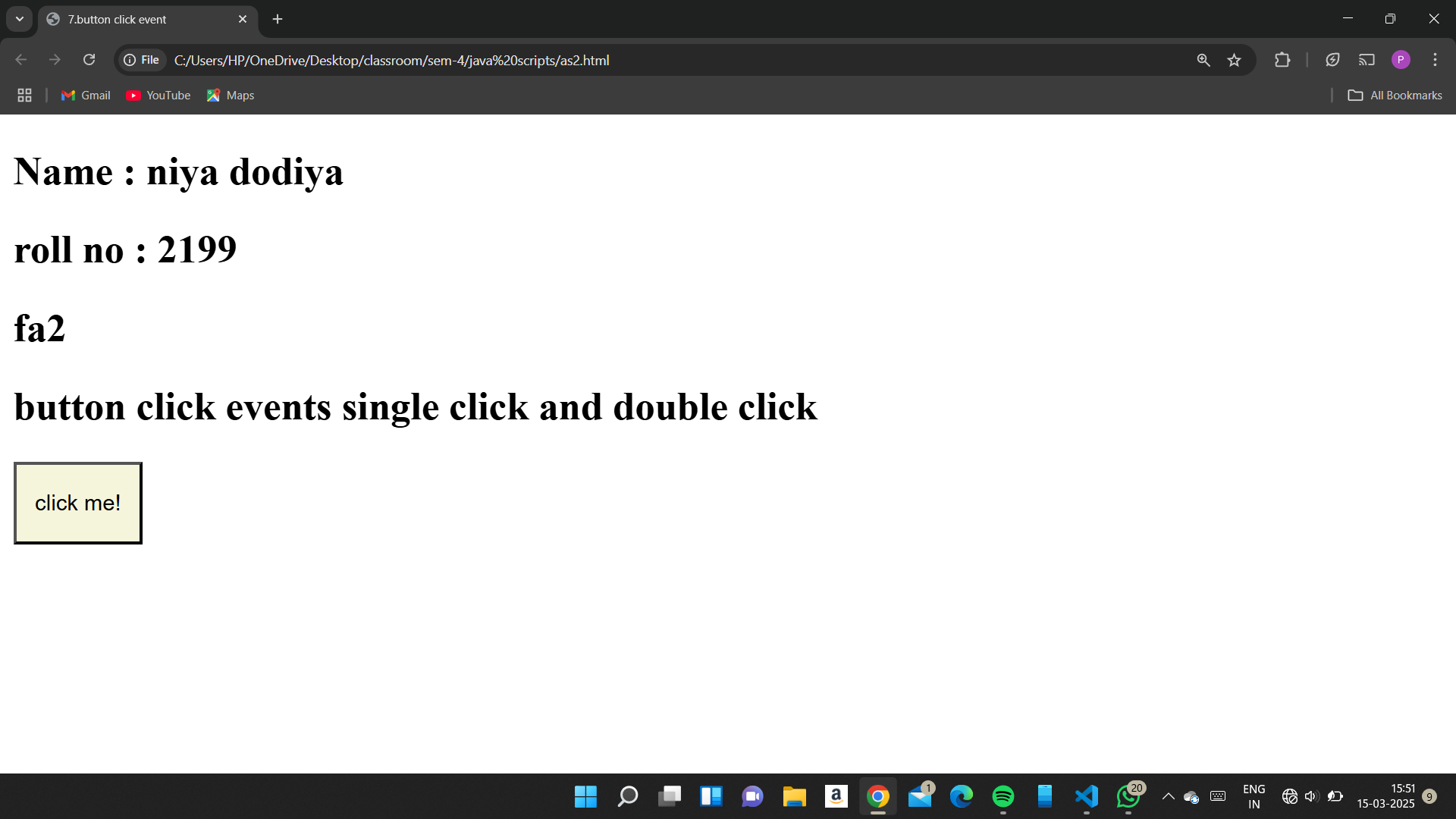
**btn.innerText="single clicked");**

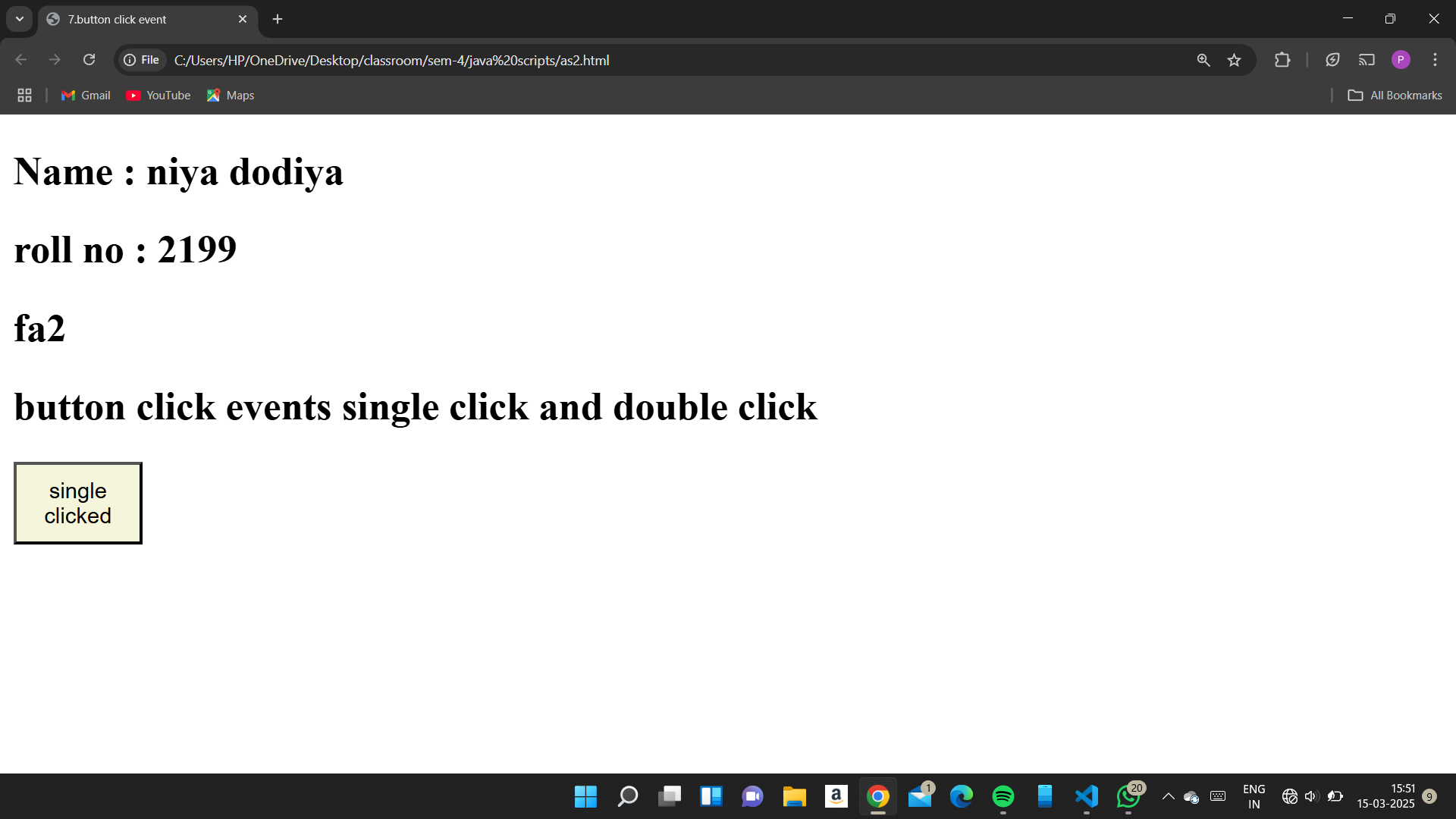
**btn,addEventListener("dblclick", () =>**

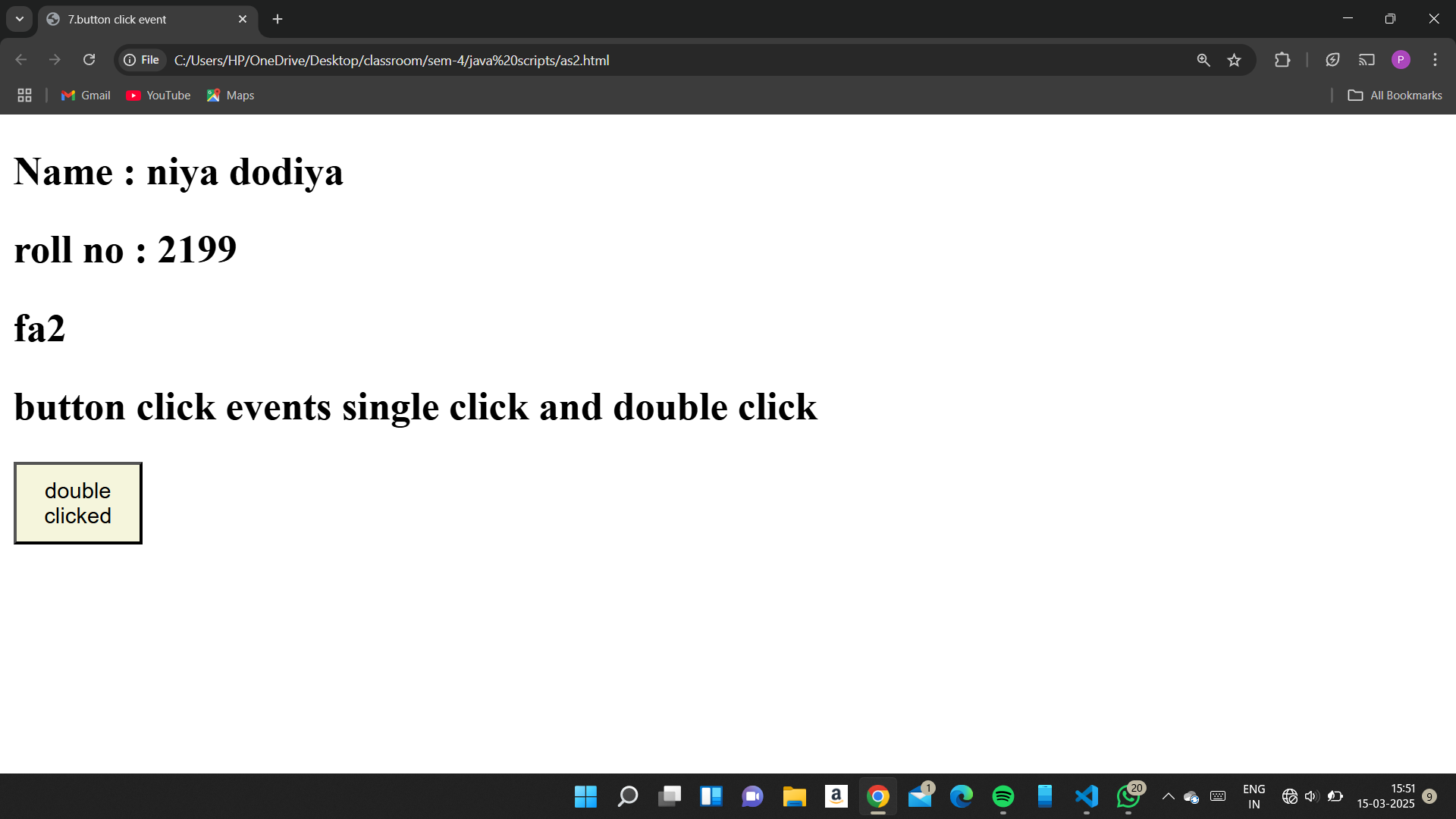
**btn.innerText="double clicked");**

**</script>**

**</html>**







**8.typing input display**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

**<meta name="viewport" content="width=device-width, initial-scale=1.0">**

**<title>typing input display</title>**

**</head>**

**<body>**

**<h2>Name : niya dodiya</h2>**

**<h2>roll no : 2199</h2>**

**<h2>fa2</h2>**

**<h2>8.typing input display</h2>**

**<input type="text"  id="demoinput">**

**<p id="displaycontent"></p>**

**</body>**

**<script>**

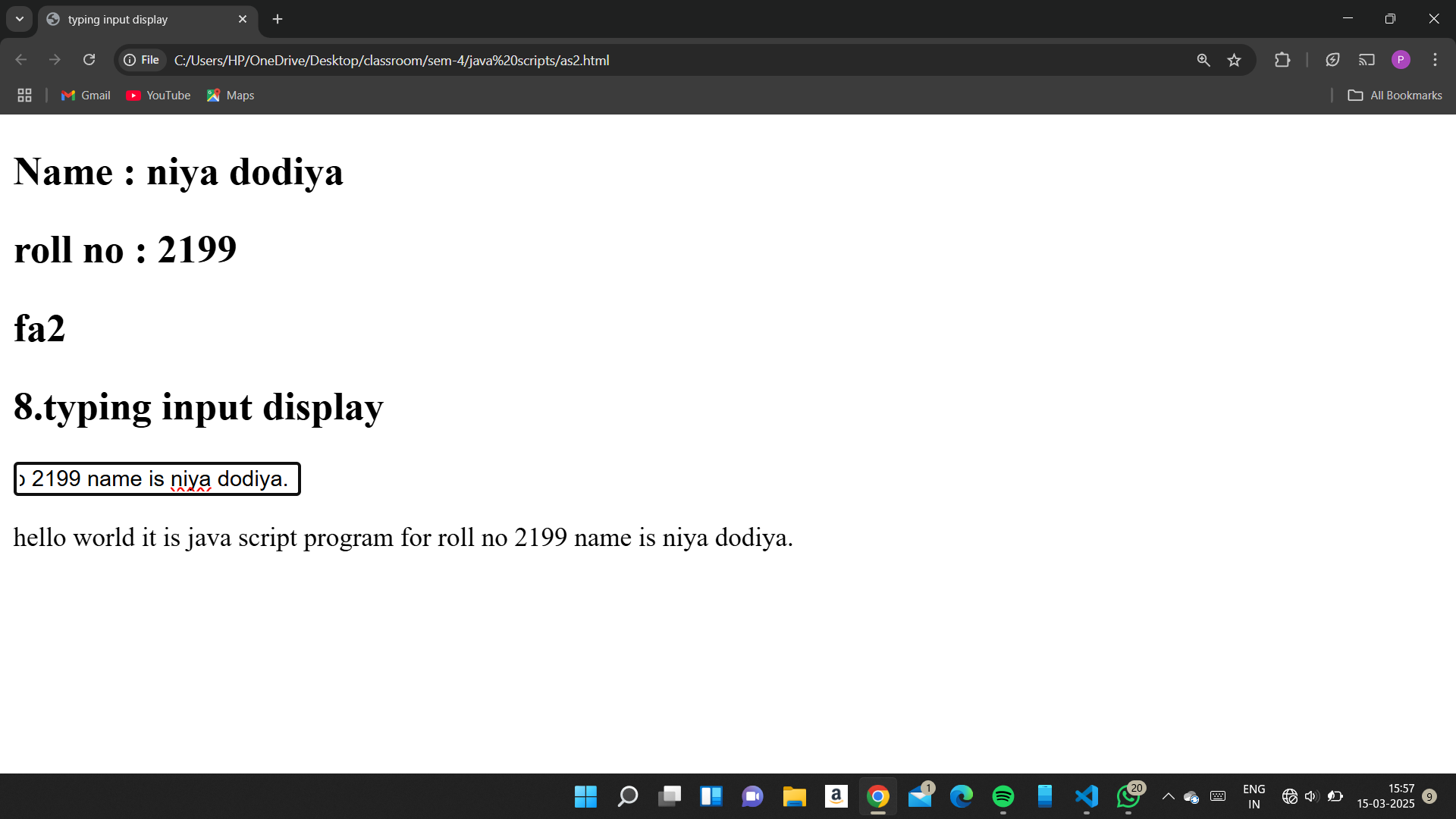
**document.getElementById("demoinput").addEventListener("keypress",function(){**

**document.getElementById("displaycontent").innerText=this.value;**

**});**

**</script>**

**</html>**



**9.form validation**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

**<meta name="viewport" content="width=device-width, initial-**

**scale=1.0">**

**<title>Form Validation with classList</title>**

**<style>**

**body {**

**color: #ffe6e6;**

**text-align: center;**

**align-items: center;**

**font-family: Arial, sans-serif;**

**background-color: rgb(31, 29, 29);**

**}**

**.input-field {**

**width: 250px;**

**padding: 8px;**

**margin: 5px;**

**border: 2px solid gray;**

**border-radius: 5px;**

**display: block;**

**align-items: center;**

**display: flex;**

**flex-wrap: wrap;**

**}**

**.error {**

**border-color: red;**

**background-color: #ffe6e6;**

**}**

**.success {**

**border-color: green;**

**background-color: #e6ffe6;**

**}**

**.error-message {**

**color: red;**

**font-size: 14px;**

**margin: 5px 0;**

**}**

**.container {**

**display: flex;**

**flex-direction: column;**

**align-items: center;**

**justify-content: center;**

**height: 45vh; /\* Full viewport height \*/**

**}**

**</style>**

**</head>**

**<body>**

**<h2>Name : niya dodiya</h2>**

**<h2>roll no : 2199</h2>**

**<h2>fa2</h2>**

**<h2>Register Form</h2>**

**<form id="myForm">**

**<div class="container">**

**<input type="text" class="input-field" id="name"**

**placeholder="Enter your name">**

**<p id="nameError" class="error-message"></p>**

**<input type="email" class="input-field" id="email"**

**placeholder="Enter your email">**

**<p id="emailError" class="error-message"></p>**

**<input type="password" class="input-field" id="password"**

**placeholder="Enter your password">**

**<p id="passwordError" class="error-message"></p>**

**<button type="submit">Submit</button>**

**</div>**

**</form>**

**<p id="message"></p>**

**<script>**

**let form = document.getElementById("myForm");**

**form.addEventListener("submit", function(event) {**

**event.preventDefault(); // Prevent form submission**

**let name = document.getElementById("name");**

**let email = document.getElementById("email");**

**let password = document.getElementById("password");**

**let nameError = document.getElementById("nameError");**

**let emailError =**

**document.getElementById("emailError");**

**let passwordError =**

**document.getElementById("passwordError");**

**let isValid = true;**

**// Validate Name**

**if (name.value.trim() === "") {**

**name.classList.add("error");**

**name.classList.remove("success");**

**nameError.textContent = "Name is required!";**

**isValid = false;**

**} else {**

**name.classList.add("success");**

**name.classList.remove("error");**

**nameError.textContent = "";**

**}**

**// Validate Email**

**if (email.value.trim() === "") {**

**email.classList.add("error");**

**email.classList.remove("success");**

**emailError.textContent = "Email is required!";**

**isValid = false;**

**} else if (!email.value.includes("@")) {**

**email.classList.add("error");**

**email.classList.remove("success");**

**emailError.textContent = "Enter a valid email!";**

**isValid = false;**

**} else {**

**email.classList.add("success");**

**email.classList.remove("error");**

**emailError.textContent = "";**

**}**

**// Validate Password**

**if (password.value.trim() === "" ||**

**password.value.length < 6) {**

**password.classList.add("error");**

**password.classList.remove("success");**

**passwordError.textContent = "Password must be at least 6 characters!";**

**isValid = false;**

**} else {**

**password.classList.add("success");**

**password.classList.remove("error");**

**passwordError.textContent = "";**

**}**

**// Display message**

**let message = document.getElementById("message");**

**if (isValid) {**

**message.innerHTML = "Form submitted ,successfully!";**

**message.style.color = "green";**

**} else {**

**message.innerHTML = "Please fix the errors!";**

**message.style.color = "red";**

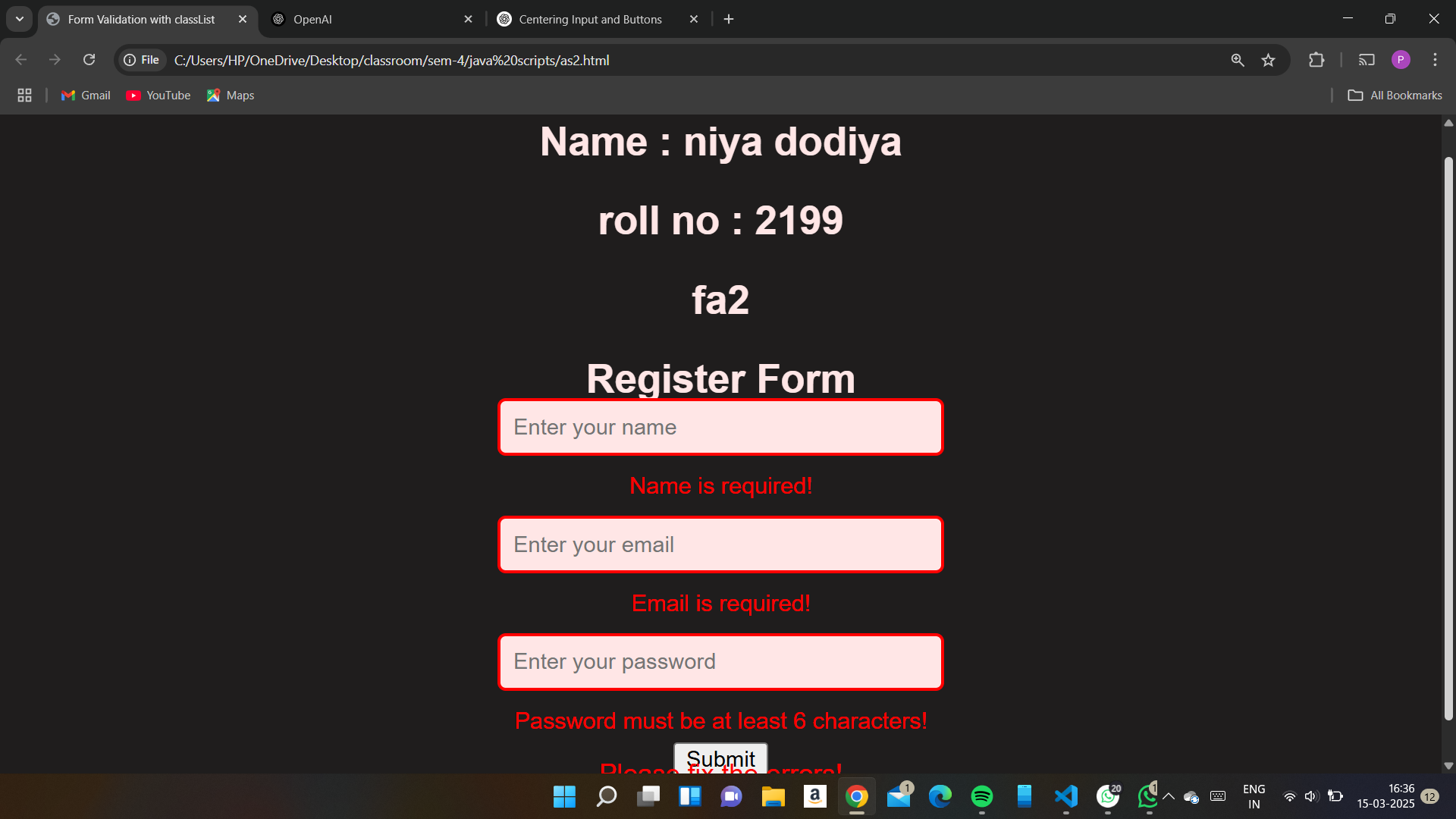
**}**

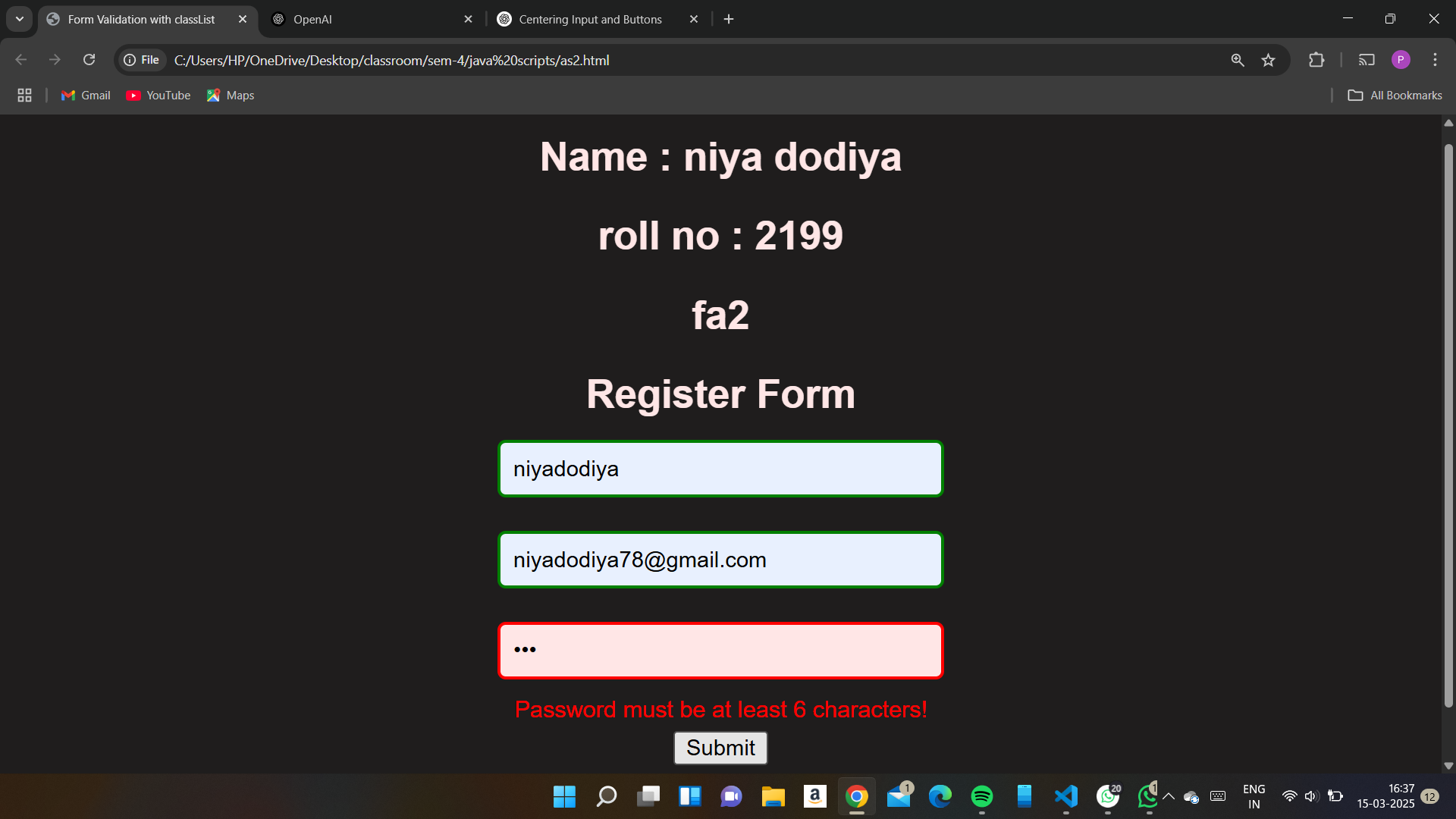
**});**

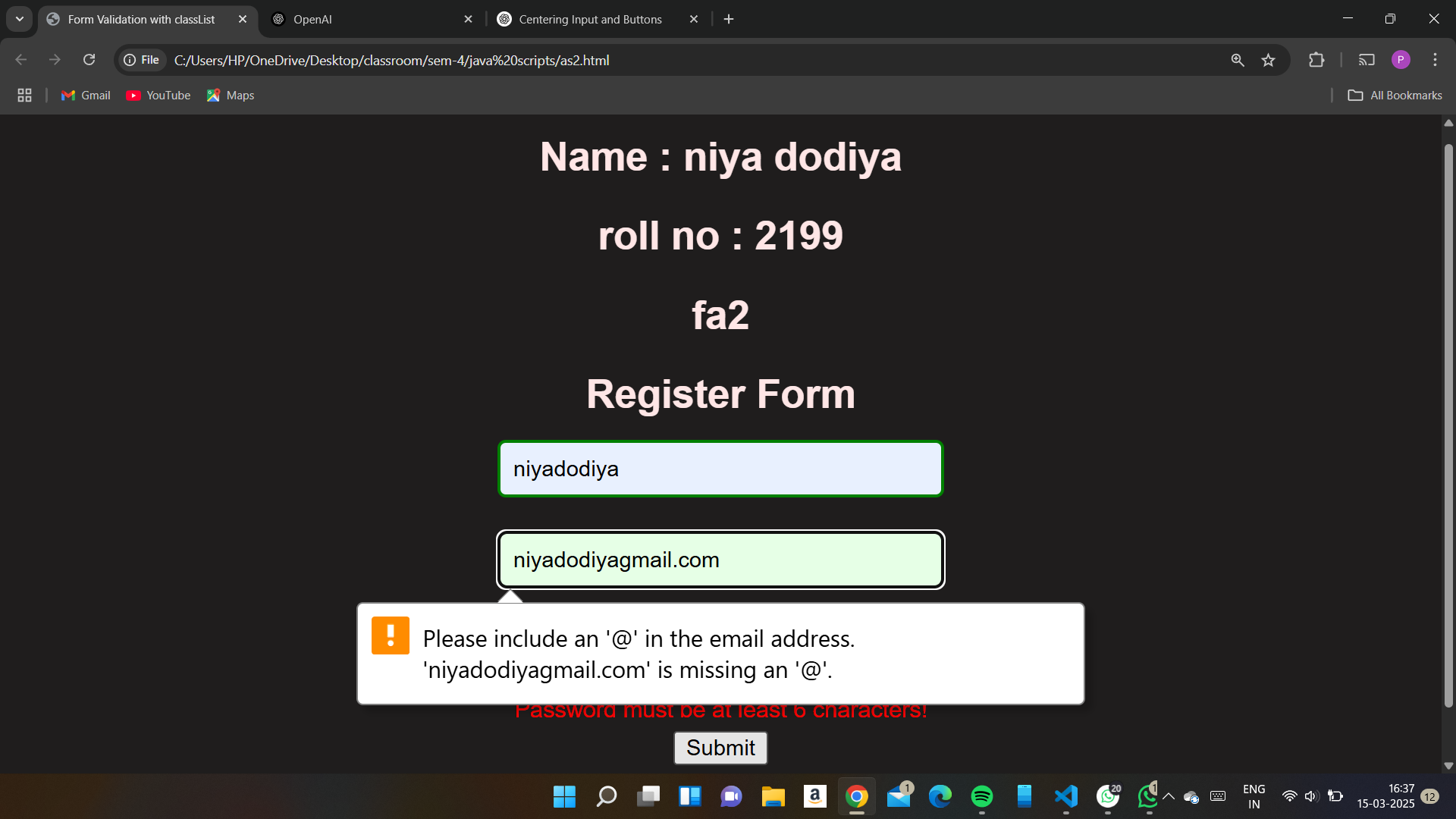
**</script>**

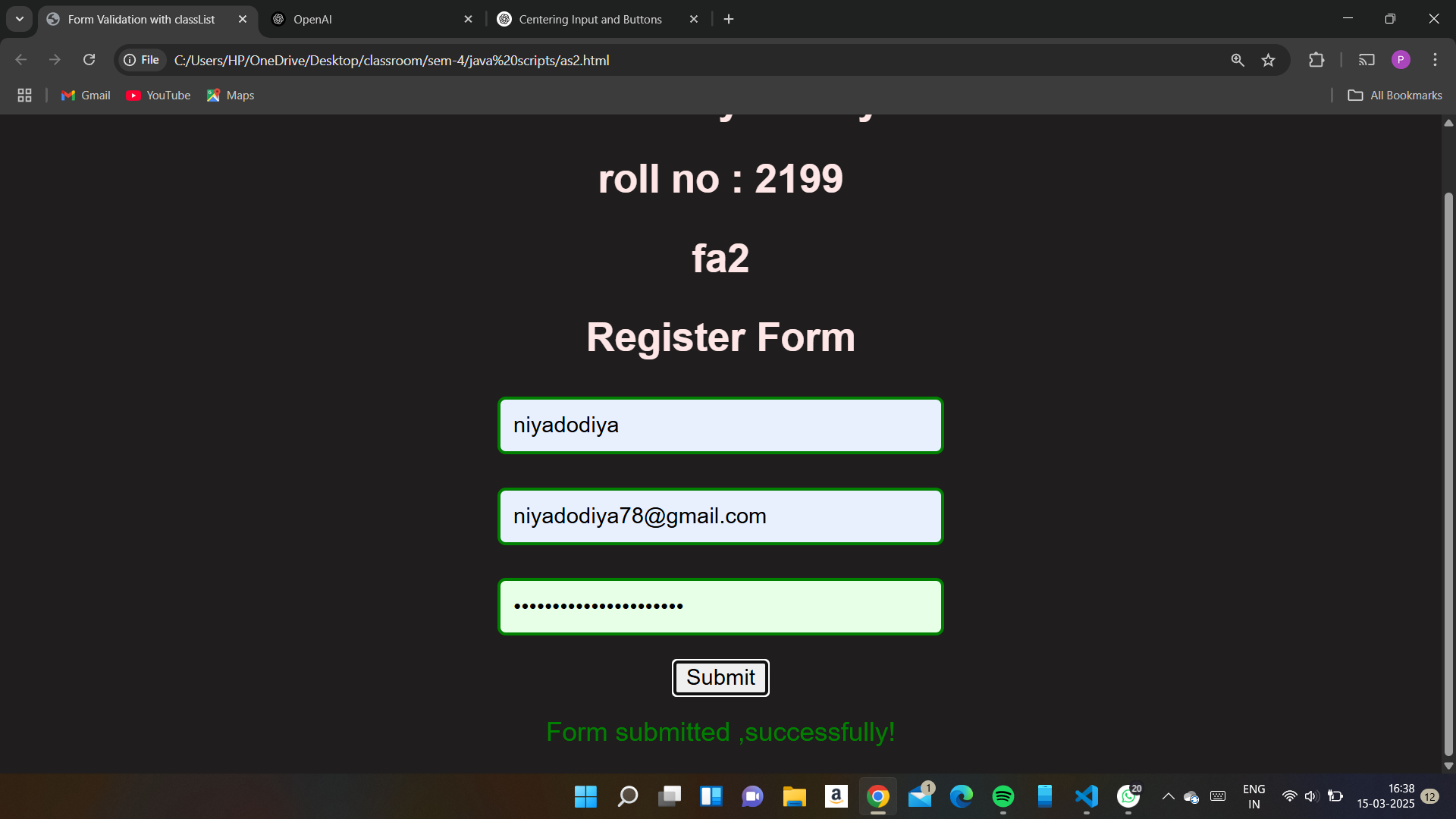
**</body>**

**</html>**









**10.currency converter**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>corrency converter</title>

</head>

<style>

    button{

        height: 50px;

        width: 78px;

        color: black;

        background-color: beige;

        /\* align-items: center; \*/

        text-align: center;

    }

</style>

<body>

    <h2>Name : niya dodiya</h2>

    <h2>roll no : 2199</h2>

    <h2>fa2</h2>

    <h2>currency converter</h2>

    <input type="number" name="" id="usd" placeholder="enter the ruppees">

    <button onclick="converttodollor()">convert</button>

    <p id="result"></p>

</body>

<script>

    function converttodollor(){

        let usd=parseFloat(document.getElementById("usd").value);

        document.getElementById("result").innerText="INR  :  "+ (usd \* 82);

    }

</script>

</html>

