1.Create a webpage to call external js file to make the changes with text elements of your webpage during page load event.

```html
<!DOCTYPE html>
<html>
    <head>
        <script type="text/javascript" src="para.js"></script>

        <body onload="change_formats()">
            <p id="para1">Js is used to  create interactive and responsive
webpage</p>

            <h1 id="title">JavaScript</h1>

            </body>
    </head>
</html>
```
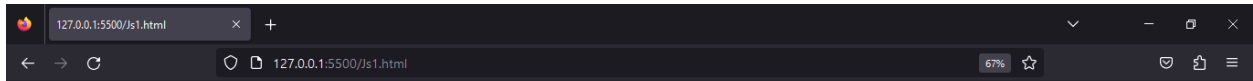
External Js File

```javascript
function change_formats(){
    document.getElementById("para1").style.fontSize="40pt";
    document.getElementById("para1").style.fontFamily="Times New Roman";
    document.getElementById("para1").style.borderBlockStyle="dotted";
    document.getElementById("para1").style.color="red";
}
```

Output:

Js is used to create interactive and responsive webpage

JavaScript

2.With the above example when you place cursor in the h1 elements, it has to show description about js advantages.

```html
<!DOCTYPE html>
<html>
    <head>
        <script type="text/javascript" src="para.js"></script>

        <body onload="change_formats()">
            <p id="para1">Js is used to  create interactive and responsive
webpage</p>

            <h1 id="title">JavaScript</h1>
            <p id="advantages">Advantages of JavaScript:</p>
            <ul id="advantagesList">
```

```
            <li>Interactivity</li>
            <li>Client-side scripting</li>
            <li>Wide browser support</li>
            <li>Rich ecosystem</li>
        </ul>
        </body>
    </head>
</html>
```

External Js File:

```javascript
function change_formats(){
    document.getElementById("para1").style.fontSize="30pt";
    document.getElementById("para1").style.fontFamily="Roboto";
    document.getElementById("para1").style.borderBlockStyle="dotted";
    document.getElementById("para1").style.color='red';


}

document.addEventListener("DOMContentLoaded", function () {
    const titleElement = document.getElementById("title");
    const advantagesList = document.getElementById("advantagesList");

        function displayAdvantages() {
          advantages.style.display = "block";
          advantagesList.style.display = "block";
    }

        function hideAdvantages() {
          advantagesList.style.display = "none";
          advantages.style.display = "none";
    }

    titleElement.addEventListener("mouseenter", displayAdvantages);

    titleElement.addEventListener("mouseleave", hideAdvantages);
});
```
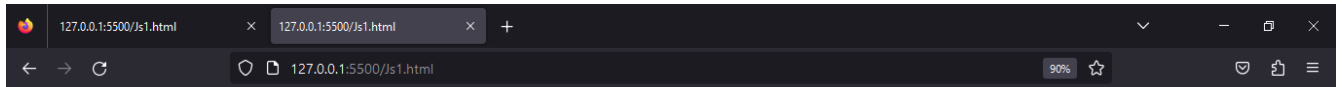
Output:

3.Create a employee class with idno, name, job, salary. create an object to initialize the data member values. and display the same using form controls.

```html
<!DOCTYPE html>
<html>
<head>
    <title>Student Information</title>
    <script>
        class Student {
            constructor(id, name, course, average) {
                this.idno = id;
                this.stuname = name;
                this.course = course;
                this.avg = average;
            }
```

```html
        showStudent() {
            document.write(
                "Roll Number: " + this.idno + "<br>" +
                "Name: " + this.stuname + "<br>" +
                "Course: " + this.course + "<br>" +
                "Average: " + this.avg
            );
        }
    }
    function fun1() {
        let id = document.getElementById("txt1").value;
        let name = document.getElementById("txt2").value;
        let course = document.getElementById("txt3").value;
        let avg = document.getElementById("txt4").value;

        let s = new Student(id, name, course, avg);
        s.showStudent();
    }
    </script>
</head>
<body>
    <form>
        Rollno: <input type="text" id="txt1" width="20"/><br>
        <br>
        Name :  <input type="text" id="txt2" width="25"/><br>
        <br>
        Course: <input type="text" id="txt3" width="20"/><br>
        <br>
        Average:<input type="text" id="txt4" width="20"/><br>
        <br>
        <input type="button" value="Show Student" onclick="fun1()">
    </form>
</body>
</html>
```
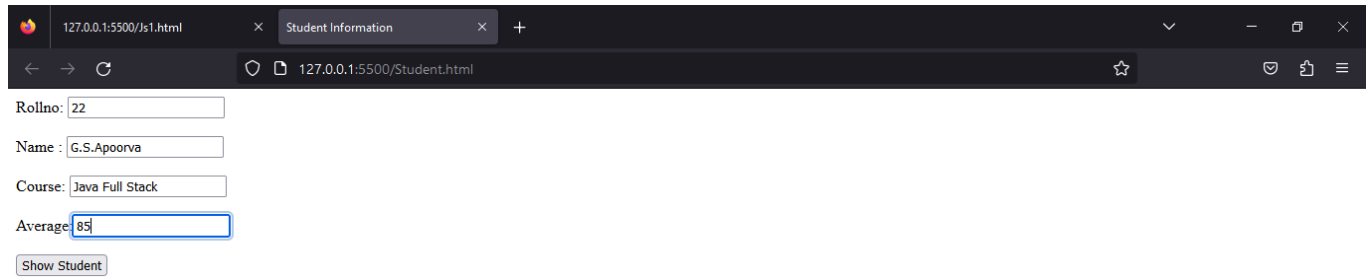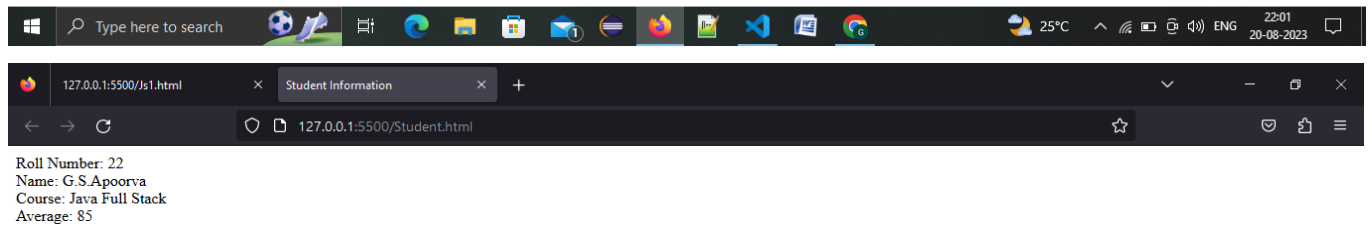
4.Create a webpage as homepage to display about your company name, logo and menu items as services provided by the company, login button to login to your website.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Amazon Company</title>
    <link rel="stylesheet" href="company.css">
</head>
<body>
    <header>
        <div class="logo">
            <img src="amazon.jpg" alt="Amazon Logo">
        </div>
        <nav>
            <ul class="menu">
                <li><a href="#home">Home</a></li>
                <li><a href="#products">Products</a></li>
                <li><a href="#services">Services</a></li>
                <li><a href="#contact">Contact</a></li>
            </ul>
        </nav>
        <div class="login-button">
            <a href="#">Login</a>
        </div>
    </header>


        <section class="main-content" id="home">

            <h1>Welcome to Amazon</h1>
            <p>Your one-stop online shopping destination</p>
            <center>
                <img src="amazon.jpg" alt="amazon image">
```

```html
            </center>
        </section>
        <section class="about" id="about">
            <h2>About Us</h2>
            <p>Learn more about our company's history and values.</p>
        </section>

        <section class="contact" id="contact">
            <h2>Contact Us</h2>
            <p>Get in touch with us for inquiries and information.</p>
        </section>


    <footer>
        <p>&copy; 2023 Amazon. All rights reserved.</p>
    </footer>
</body>
</html>
```

External Js File:

```css
/* Reset some default styles */
body, h1, h2, h3, p, ul, li {
    margin: 0;
    padding: 0;
}

/* Style for header */
header {
    background-color: #333;
    color: white;
    display: flex;
    justify-content: space-between;
    align-items: center;
    padding: 10px 20px;
}
```

```css
.logo img {
    max-width: 100px;
    height: 40px;
}


.menu li {
    display: inline-block;
    margin-right: 20px;
}


.menu a {
    color: white;
    text-decoration: none;
    font-weight: bold;
}


.login-button a {
    padding: 8px 16px;
    background-color: #ff6600;
    color: white;
    border-radius: 4px;
    text-decoration: none;
}


/* Style for main content */
.main-content {
    text-align: center;
    padding: 50px;
}


/* Style for services, about, and contact sections */
.services, .about, .contact {
    padding: 50px;
    background-color: #f9f9f9;
    text-align: center;
}


.services h2, .about h2, .contact h2 {
```

```css
    margin-bottom: 20px;
}


/* Style for footer */
footer {
    background-color: #333;
    color: white;
    text-align: center;
    padding: 10px 0;
}
```

Output: