



**VIT<sup>®</sup>**  
**Vellore Institute of Technology**  
(Deemed to be University under section 3 of UGC Act, 1956)

## **CSE 3002 Internet and Web Programming (L53 + L54)**

**Lab Component**

**Assessment – 2**

**Q. Write a program to demonstrate the concept of HTML, CSS and JavaScript for any application of your choice. Create a homepage (add details about the application/ your personal details) containing the tabs to toggle between the other pages (registration, login pages).**

- a. Add more customized HTML elements including media, files, etc.,**
- b. Apply CSS styles including selectors, box models, customized background - borders- text effects, multiple columns layout, etc.,**
- c. Use JavaScript to validate the fields like name, e-mail, mobile number, etc., in the registration and login pages.**

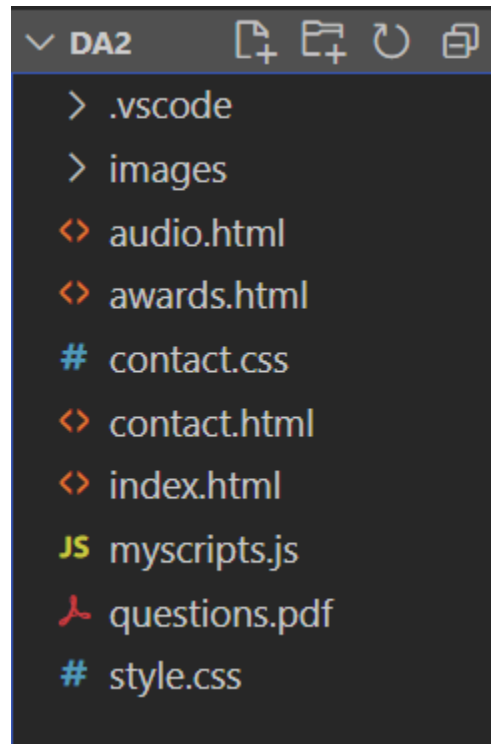
**Soln:**

So for the above question I made a Landing page for my favorite singer i.e. Neha Kakkar with her achievements listed in **table**(MTV awards) as well as ordered and **unordered lists**. A **video page** is there with a video live fetched from youtube. I even made a '**contact me**' page where one can contact me with their messages. Form is used for it and Form validation is done using Javascript.

**[HOSTED LINK](#)**

**NOTE: Features for pages are after the screenshot of the page respectively**

## File Structure



## Index.html CODE

```
<!DOCTYPE html>
<html>

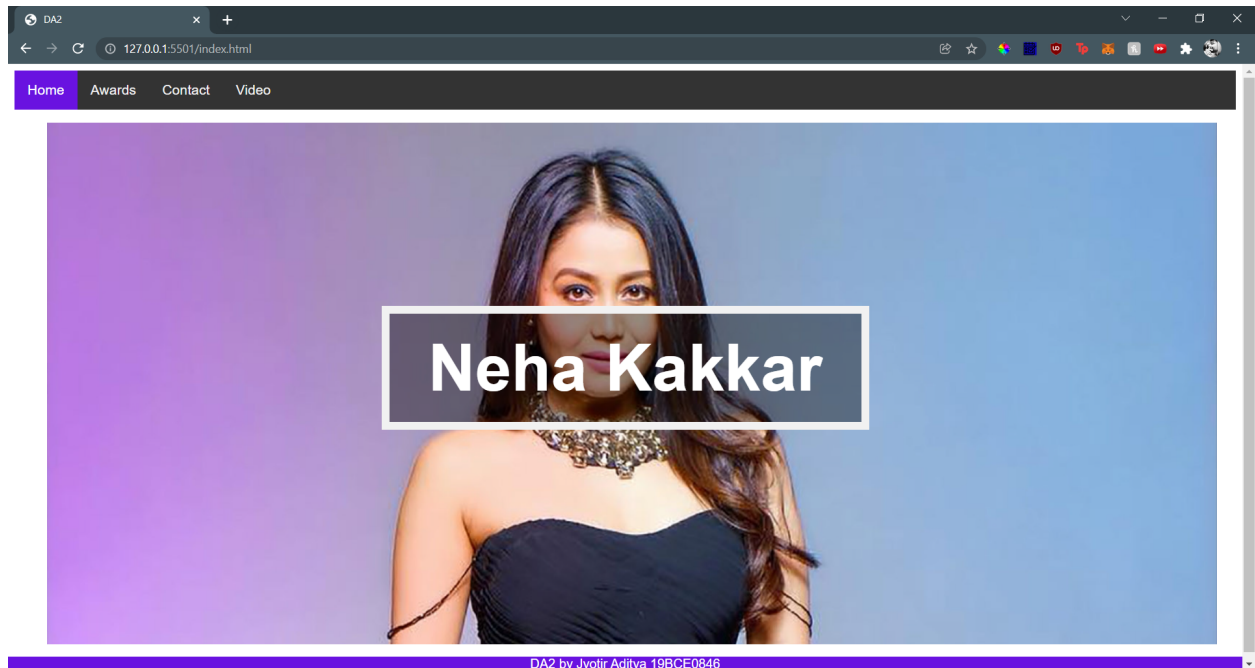
<head>
  <title>DA2</title>
  <link rel="stylesheet" href="style.css" />
</head>

<body>
  <nav>
    <a class="active" href="#home">Home</a>
    <a href="awards.html">Awards</a>
    <a href="contact.html">Contact</a>
    <a href="audio.html">Video</a>
  </nav>
  <figure class="bg-image img1"></figure>
  <section>
    <div class="bg-text">Neha Kakkar</div>
```

```
</section>
<footer>
  <div>DA2 by Jyotir Aditya 19BCE0846</div>
</footer>
</body>

</html>
```

## OUTPUT



## Features:

- Nav Bar
- Bg-Image
- Bg-text
- Footer

## awards.html CODE

```
<!DOCTYPE html>
<html>
```

```
<head>
  <title>DA2</title>
  <link rel="stylesheet" href="style.css" />
</head>

<body>
  <nav>
    <a href="index.html">Home</a>
    <a class="active" href="awards.html">Awards</a>
    <a href="contact.html">Contact</a>
    <a href="audio.html">Video</a>
  </nav>
  <h2 align="center">Awards and Accolades</h2>
  <h4 align="center">MTV Awards with years</h4>
  <section>
    <table class="styled-table">
      <thead>
        <tr>
          <th>Award</th>
          <th>Year</th>
        </tr>
      </thead>
      <tbody>
        <tr>
          <td>MTV award</td>
          <td>2009</td>
        </tr>
        <tr class="active-row">
          <td>MTV award</td>
          <td>2010</td>
        </tr>
        <tr>
          <td>MTV award</td>
          <td>2011</td>
        </tr>
      </tbody>
    </table>
    <br>
    <h4 align="center">Other Awards names</h4>
```

```
</section>

<section class="award-list">
  <div>
    <ol>
      <li>Academy Award</li>
      <br>

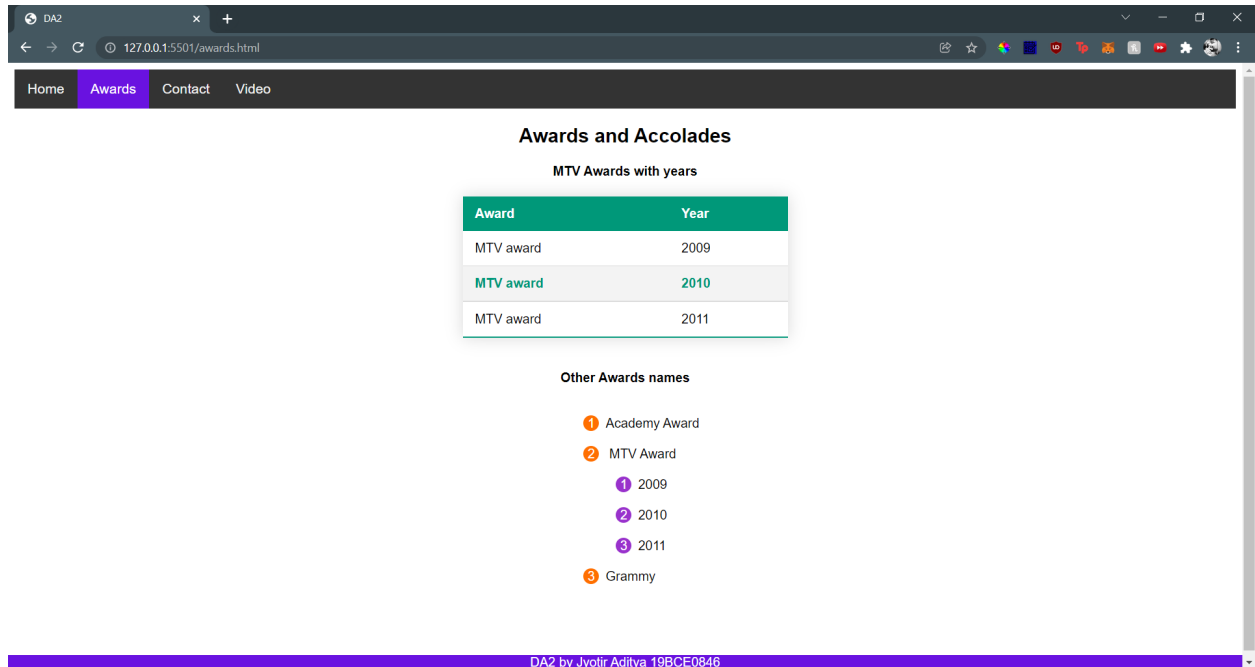
      <li>
        MTV Award
        <ol>
          <br>
          <li>2009</li>
          <br>
          <li>2010</li>
          <br>
          <li>2011</li>
        </ol>
      </li>
      <br>
      <li>Grammy</li>

    </ol>
  </div>
</section>
<footer>
  <div>DA2 by Jyotir Aditya 19BCE0846</div>
</footer>

</body>

</html>
```

## OUTPUT



## Features:

- Nav Bar
- Headings using H1 And H3
- Table
- Ordered List
- Footer

## Contact.html CODE

```
<!DOCTYPE html>
<html>

<head>
  <title>DA2</title>
  <link rel="stylesheet" href="style.css" />
  <link rel="stylesheet" href="contact.css" />
  <link rel="js" href="myscripts.js">
</head>

<body>
  <nav>
    <a href="index.html">Home</a>
    <a href="awards.html">Awards</a>
    <a class="action" href="contact.html">Contact</a>
    <a href="audio.html">Video</a>
  </nav>
  <section>
    <div class="container">
      <h3>Contact Form</h3>
      <form action="#" name="contact_form" onsubmit="return
validateform()">
        <label for="first_name">First Name</label>
        <input name="first_name" type="text" placeholder="Jyotir"
/>

        <br />
        <label for="last_name">Last Name</label>
        <input name="last_name" type="text" placeholder="Aditya"
/>

        <br />
        <label for="email">Email</label>
        <input name="email" type="text"
placeholder="jyotir.aditya2019@vitstudent.ac.in" />
        <br />
        <label for="message">Message</label><br />
        <textarea name="message" cols="30" rows="10"
placeholder="Enter your message here ...">
      </textarea>
      <div class="center">
        <input type="submit" value="Submit" />
      </div>
    </div>
  </section>
</body>
</html>
```



```
        </div>
    </form>
</div>
</section>
<footer>
    <div>DA2 by Jyotir Aditya 19BCE0846</div>
</footer>
<script src="myscripts.js"></script>

</body>

</html>
```

## contact.css CODE

### CSS for Contact page

```
.container {
    padding: 12px 24px 24px 24px;
    margin: 48px 12px;
    background: #e3f2fd;
    border-radius: 4px;
}

label {
    font-size: 0.85em;
    margin-left: 12px;
}

input[type="text"],
input[type="email"],
textarea {
    width: 100%;
    padding: 12px;
    border: 1px solid #ccc;
    border-radius: 4px;
    box-sizing: border-box;
    margin-top: 6px;
    margin-bottom: 16px;
    resize: vertical;
```

```
}

input[type="text"]:focus,
input[type="email"]:focus,
textarea:focus {
  border: 1px solid green;
}

input[type="submit"] {
  background: #64b5f6;
  margin: 0 auto;
  outline: 0;
  color: white;
  border: 0;
  padding: 12px 24px;
  border-radius: 4px;
  transition: all ease-in-out 0.1s;
  position: relative;
  display: inline-block;
  text-align: center;
}

input[type="submit"]:focus {
  background: #a5d6a7;
  color: whitesmoke;
}

input[type="submit"]:hover {
  background: #2196f3;
}

.center {
  text-align: center;
}
```

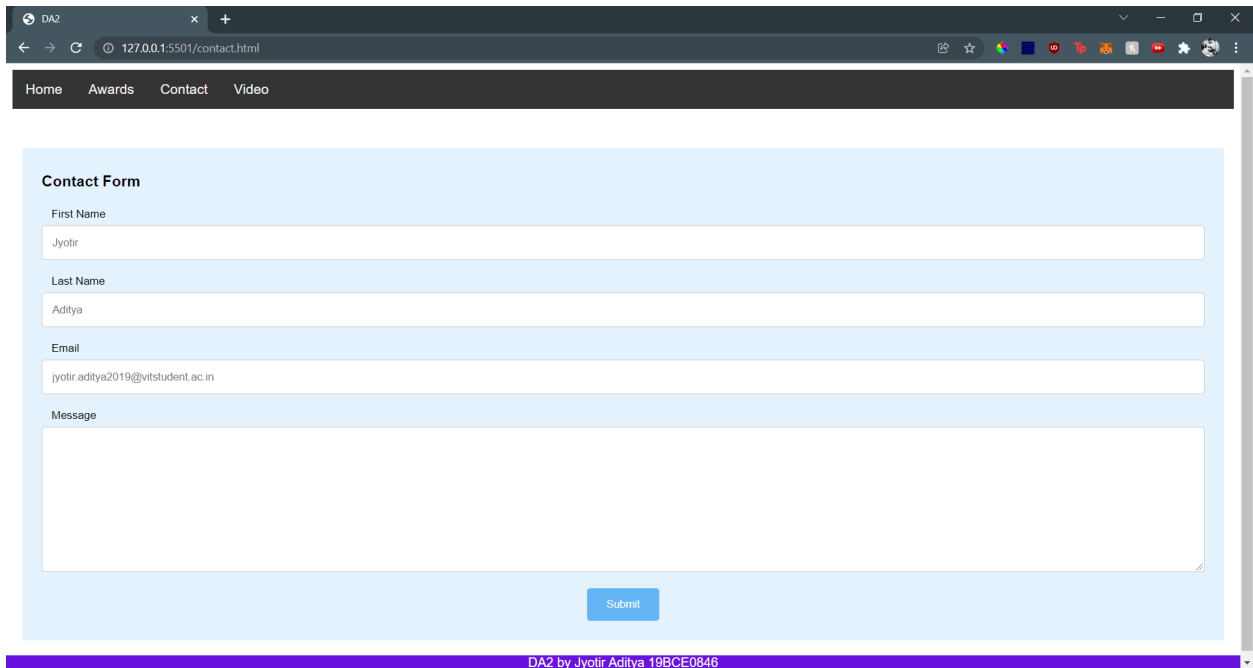
## Myscript.js CODE

```
function validateform() {
```

```
var name = document.contact_form.first_name.value;
var lastname = document.contact_form.last_name.value;
var email = document.contact_form.email.value;
var message = document.contact_form.message.value;

if (name == null || name == "") {
    alert("First Name can't be blank");
    return false;
} else
if (lastname == null || lastname == "") {
    alert("Last Name can't be blank");
    return false;
} else
if (message == null || message == "") {
    alert("Message Name can't be blank");
    return false;
} else if
(RegExp(/^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/).test(email)) {
    return (true)
}
alert("You have entered an invalid email address!")
return (false)
}
```

## Output



DA2

127.0.0.1:5501/contact.html

Home Awards Contact Video

**Contact Form**

First Name  
Jyotir

Last Name  
Aditya

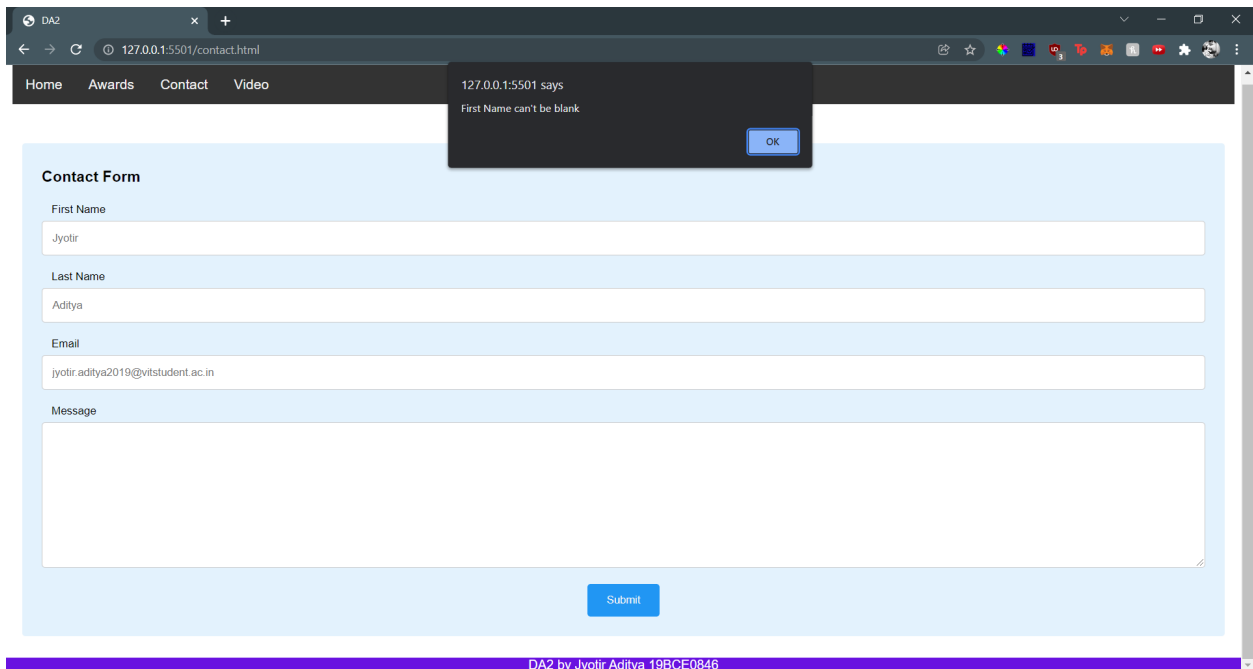
Email  
jyotir.aditya2019@vitstudent.ac.in

Message

Submit

DA2 by Jyotir Aditya 19BCE0846

## First name Validation Screenshot



DA2

127.0.0.1:5501/contact.html

Home Awards Contact Video

127.0.0.1:5501 says  
First Name can't be blank

OK

**Contact Form**

First Name  
Jyotir

Last Name  
Aditya

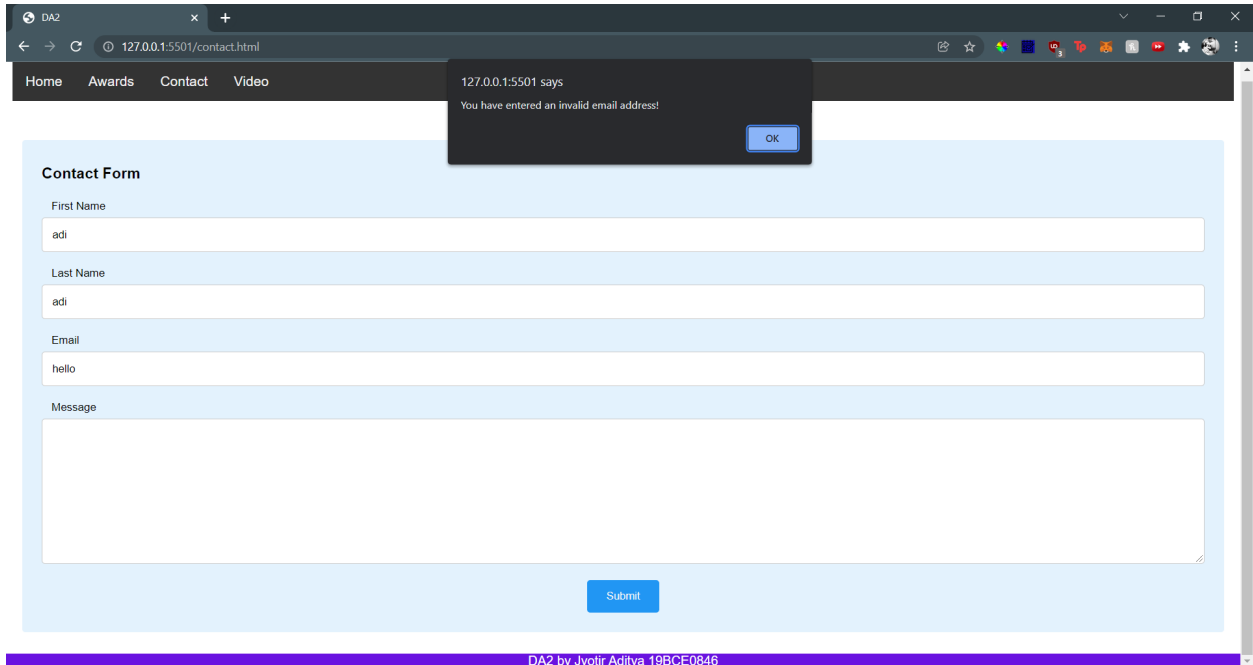
Email  
jyotir.aditya2019@vitstudent.ac.in

Message

Submit

DA2 by Jyotir Aditya 19BCE0846

## Email Validation('@' not there)



## Features:

- Nav Bar
- Contacts Form
- Required First/Last Name Validation(Done using JS)
- Email validation (Done using JS)
- Footer

## Audio.html CODE

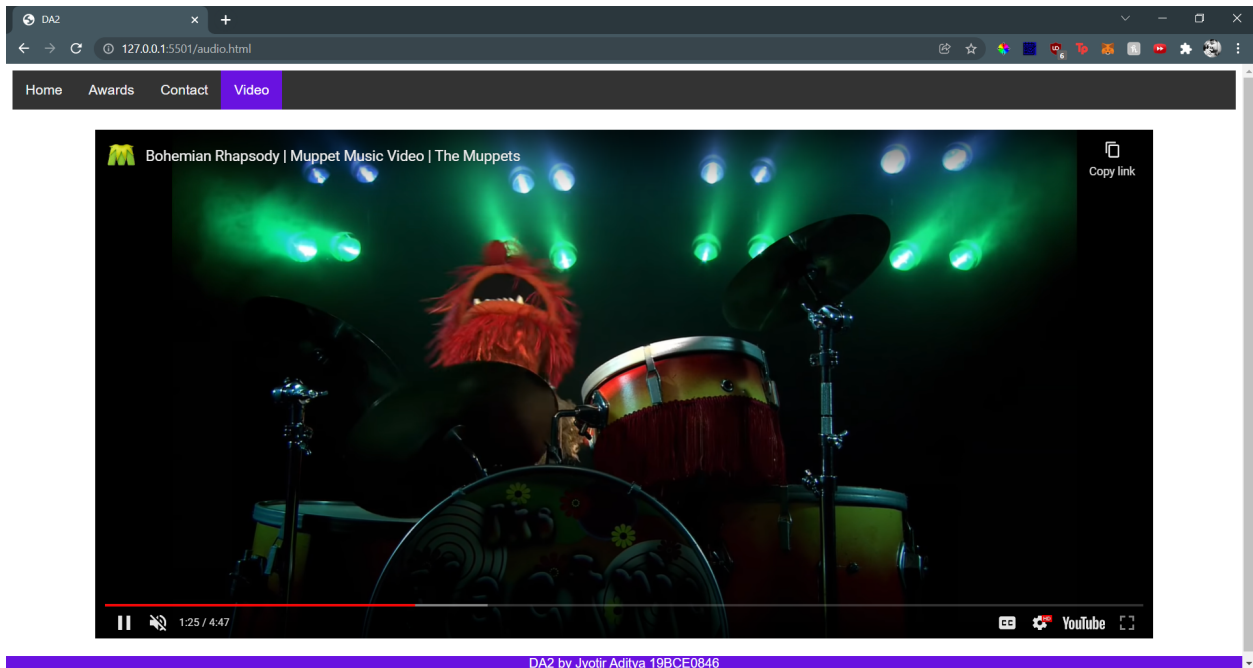
```
<!DOCTYPE html>
<html>

<head>
  <title>DA2</title>
  <link rel="stylesheet" href="style.css" />
</head>

<body>
  <nav>
    <a href="#home">Home</a>
    <a href="awards.html">Awards</a>
    <a href="contact.html">Contact</a>
    <a class="active" href="audio.html">Video</a>
  </nav>
  <section>
    <div name="vide_page">
      <div>
        <iframe width="1300" height="625"
src="https://www.youtube.com/embed/tgbNymZ7vqY?autoplay=1&mute=1">
        </iframe>
      </div>
    </div>
  </section>
  <footer>
    <div>DA2 by Jyotir Aditya 19BCE0846</div>
  </footer>
</body>

</html>
```

## VIDEO Output



## Features:

- Nav Bar
- Video fetched from Youtube
- Autoplay
- Video Muted when it Starts
- Footer

Style.css CODE

```
body,
html {
    height: 100%;
    font-family: Arial, Helvetica, sans-serif;
}

* {
    box-sizing: border-box;
}

.bg-image {
    height: 640px;
    width: 1440px;
    background-position: center;
    background-repeat: no-repeat;
    background-size: cover;
}

.img1 {
    background-image: url("images/bg1.jpg");
}

.bg-text {
    background-color: rgba(0, 0, 0, 0.4);
    color: white;
    font-weight: bold;
    font-size: 80px;
    border: 10px solid #f1f1f1;
    position: fixed;
    top: 50%;
    left: 50%;
    transform: translate(-50%, -50%);
    z-index: 2;
    width: 600px;
    padding: 20px;
    text-align: center;
}
```



```
header {
    color: white;
}

nav {
    background-color: #333;
    overflow: hidden;
}

nav a {
    float: left;
    color: #f2f2f2;
    text-align: center;
    padding: 14px 16px;
    text-decoration: none;
    font-size: 17px;
}

nav a:hover {
    background-color: #ddd;
    color: black;
}

nav a.active {
    background-color: #6912e0;
    color: white;
}

footer {
    position: fixed;
    left: 0;
    bottom: 0;
    width: 100%;
    background-color: #6912e0;
    color: white;
    text-align: center;
}

.styled-table {
    border-collapse: collapse;
```

```
margin-top: 0%;  
margin: auto;  
margin-bottom: 0%;  
font-family: sans-serif;  
min-width: 400px;  
box-shadow: 0 0 20px rgba(0, 0, 0, 0.15);  
}  
  
.styled-table thead tr {  
  background-color: #009879;  
  color: #ffffff;  
  text-align: left;  
}  
  
.styled-table th,  
.styled-table td {  
  padding: 12px 15px;  
}  
  
.styled-table tbody tr {  
  border-bottom: 1px solid #dddddd;  
}  
  
.styled-table tbody tr:nth-of-type(even) {  
  background-color: #f3f3f3;  
}  
  
.styled-table tbody tr:last-of-type {  
  border-bottom: 2px solid #009879;  
}  
  
.styled-table tbody tr.active-row {  
  font-weight: bold;  
  color: #009879;  
}  
  
.award-list {  
  display: flex;  
  justify-content: center;  
}
```

```
ol {  
    list-style: none;  
    counter-reset: steps;  
}  
  
ol li {  
    counter-increment: steps;  
}  
  
ol li::before {  
    content: counter(steps);  
    margin-right: 0.5rem;  
    background: #ff6f00;  
    color: white;  
    width: 1.2em;  
    height: 1.2em;  
    border-radius: 50%;  
    display: inline-grid;  
    place-items: center;  
    line-height: 1.2em;  
}  
  
ol ol li::before {  
    background: darkorchid;  
}  
  
iframe {  
    display: block;  
    margin: 0 auto;  
    margin-top: 25px;  
    border: 0;  
}
```