



# **E-LEARNING PORTAL**

## **A PROJECT REPORT**

*Submitted by*

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*in partial fulfillment for the award of the degree of*

**BACHELOR OF TECHNOLOGY**

**IN**

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# CERTIFICATE

This is to certify that the “Project Report” entitled E-learning Portal submitted to the department of Computer science and engineering ,GLA University, Mathura U.P. in partial fulfillment for the award of the degree of bachelor of technology in computer scienceand engineering is a record of bona fide carried out by :

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Technical Trainer

Date:25-Nov-2022

Signature of Authorized

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# **INTRODUCTION**

E-learning fulfils the thirst of knowledge and offers online content that can be delivered for the learner at anywhere, anytime and any age through a wide range of e-learning solution while compared with traditional learning system. It also provides the rapid access to specific knowledge and information. With the rapid growth of voluminous information sources and the time constraint the learning methodology has changed. Learners obtain knowledge through e-Learning systems rather than manually teaching and learning. This synopsis proposes the E-learning portal with web services oriented frame work. This system focused around the several features namely Content Management, Content Protection, Learning Management, Delivery Management, Evaluation management, Access Control, etc., and mainly focused on integrated platform needed for e-learning and managements.

## **web:**

Web development refers to the process of creating websites on the Internet.

The term “web development” is relatively broad in its application. You could create a single website page from a wix template, or you

could painstakingly develop a massive website with thousands of original pages — and technically, both of those would count as web development.

Now a day's web development is the thing which is in boost.

## **TECHNOLOGYUSED**

### **HTML:**

HTML is an acronym which stands for **HyperText Markup Language** which is used for creating web pages and web applications. Let's see what is meant by Hypertext Markup Language, and Web page.

**Hyper Text:** HyperText simply means "Text within Text." A text has a link within it, is a hypertext. Whenever you click on a link which brings you to a new webpage, you have clicked on a hypertext. HyperText is a way to link two or more web pages (HTML documents) with each other.

**Markup language:** A markup language is a computer language that is used to apply layout and formatting conventions to a text document. Markup language makes text more interactive and dynamic. It can turn text into images, tables, links, etc.

**Web Page:** A web page is a document which is commonly written in HTML and translated by a web browser. A web page can be identified

by entering an URL. A Web page can be of the static or dynamic type. **With the help of HTML only, we can create static web pages.**

## **CSS:**

CSS stands for Cascading Style Sheets. It is a style sheet language which is used to describe the look and formatting of a document written in markup language. It provides an additional feature to HTML. It is generally used with HTML to change the style of web pages and user interfaces. It can also be used with any kind of XML documents including plain XML, SVG and XUL.

CSS is used along with HTML and JavaScript in most websites to create user interfaces for web applications and user interfaces for many mobile applications.

## **JAVASCRIPT:**

- JavaScript is a high-level, often just-in-time compiled language that conforms to the ECMAScript standard[10].
- Javascript is the most popular programming language.
- Javascript is the programming language of the web.
- It has dynamic typing, prototype-based object orientation, and first-class functions.
- It is multi-paradigm, supporting event-driven, functional, and imperative programming styles.

- It has application programming interfaces(APIs) for working with text, dates, regular expressions, standard data structures, and the Document Object Model (DOM).

## **PHP: (HYPERTEXT PREPROCESSOR)**

PHP is an open-source, interpreted, and object-oriented scripting language that can be executed at the server-side. PHP is well suited for web development. Therefore, it is used to develop web applications (an application that executes on the server and generates the dynamic page.).

PHP was created by **Rasmus Lerdorf in 1994** but appeared in the market in 1995. **PHP 7.4.0** is the latest version of PHP, which was released on **28 November**. Some important points need to be noticed about PHP are as followed:

- PHP stands for Hypertext Pre-processor.
- PHP is an interpreted language, i.e., there is no need for compilation.
- PHP is faster than other scripting languages, for example, ASP and JSP.
- PHP is a server-side scripting language, which is used to manage the dynamic content of the website.
- PHP can be embedded into HTML.



- PHP is an object-oriented language.
- PHP is an open-source scripting language.
- PHP is simple and easy to learn language.

# **SYSTEM REQUIREMENTS**

## **Software Requirement-**

### **To build application –**

- 64-bit Windows 8/10/11
- Libraries
- Visual Studiocode (latest version).

### **To Run Website–**

- Web Browsers (chrome,Mozilla)

## **Hardware Requirement –**

- x86\_64 CPU architecture; 2nd generation Intel Core or newer
- 8 GB RAM or more
- 8 GB of available disk space minimum

# IMPLEMENTATION

## Final Code:

### • Page 1(Home):

```
• <!DOCTYPE html>
• <html lang="en">
• <head>
•
•     <meta charset="utf-8">
•     <meta name="viewport" content="width=device-width, initial-scale=1">
•     <title>E-Learning Portal</title>
•     <link rel="stylesheet" type="text/css" href="nav1.css">
•
•     <link href="https://cdn.jsdelivr.net/npm/remixicon@2.5.0/fonts/remixicon.css"
rel="stylesheet">
•
•     <link rel="stylesheet"
href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">
•
•     <link rel="preconnect" href="https://fonts.googleapis.com">
•     <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
•     <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@500;600&display=swap"
rel="stylesheet">
•     <link rel="stylesheet" href="home.css" />
•     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
• </head>
• <body>
•     <header>
•         <a href="index.html" class="logo"><i class="ri-home-heart-fill"></i><span>E-
learning</span></a>
•
•         <ul class="navbar">
•             <li><a href="index.html" class="active">Home</a></li>
•             <li><a href="tutorial.html">Tutorials</a></li>
•             <li><a href="contact.html">Contact Us</a></li>
•             <li><a href="login.html">Quiz</a></li>
•             <li><a href="videos.html">Videos</a></li>
•         </ul>
•
•         <div class="main">
•             <a href="login.html" class="user"><i class="ri-user-fill"></i>Sign In</a>
•             <a href="signup.html">Register</a>
•             <div class="bx bx-menu" id="menu-icon"></div>
•         </div>
•     </header>
•
•     <!--js link-->
•     <script type="text/javascript" src="script.js"></script>
•
• 
```

```

• <section class="section1">
• <h1 style=" margin-top: 2%;">!!Learn to Code</h1>
• <br>
• <h3 style="color:white;text-align:center;font-size:25px">Here we are to help you
out!</h3>
• <div class="container11">
• <form>
• <i class="fa fa-search"></i>
• <input type="text" placeholder="what you are looking for">
• <button type="submit">Search</button>
• </form>
• </div>
• </section>
• <section class="section2">
• <div class="write">
• <h1 class="head">HTML</h1>
• <h5 style="font-size:20px">The laguage for building web pages</h5>
• <div class="cbtn"><a href="tutorial.html">Learn</a> </div>
• <div class="cbtn"><a href="contact.html">Contact Us</a> </div>
• <div class="cbtn"><a href="login.html">Quiz</a> </div>
• <div class="cbtn"><a href="videos.html">Videos</a> </div>
• </div>
• <div class="htmlbox">
•
• <div class="innerbox">
• <div class="example">
•
• <div style="padding:8px;" class="border-green">
• <span style="color: brown"
• ><span style="color: mediumblue">&lt;</span>!DOCTYPE<span
• style="color: red"
• >
• <span style="color: brown"
• ><span style="color: mediumblue">&lt;</span>html</span>
• ><span style="color: mediumblue">&lt;</span></span>
• ><br />
• <span style="color: brown"
• ><span style="color: mediumblue">&lt;</span>html<span
• style="color: mediumblue"
• >&lt;</span>
• ></span>
• ><br />
• <span style="color: brown"
• ><span style="color: mediumblue">&lt;</span>title<span
• style="color: mediumblue"
• >&lt;</span>
• ></span>
• >HTML Tutorial<span style="color: brown"
• ><span style="color: mediumblue">&lt;</span>/title<span
• style="color: mediumblue"
• >&lt;</span>
• ></span>
• ><br />
• <span style="color: brown"
• ><span style="color: mediumblue">&lt;</span>body<span
• style="color: mediumblue"
• >&lt;</span>
• ></span>
• ><br /><br />
• <span style="color: brown"
• ><span style="color: mediumblue">&lt;</span>h1<span
• style="color: mediumblue"

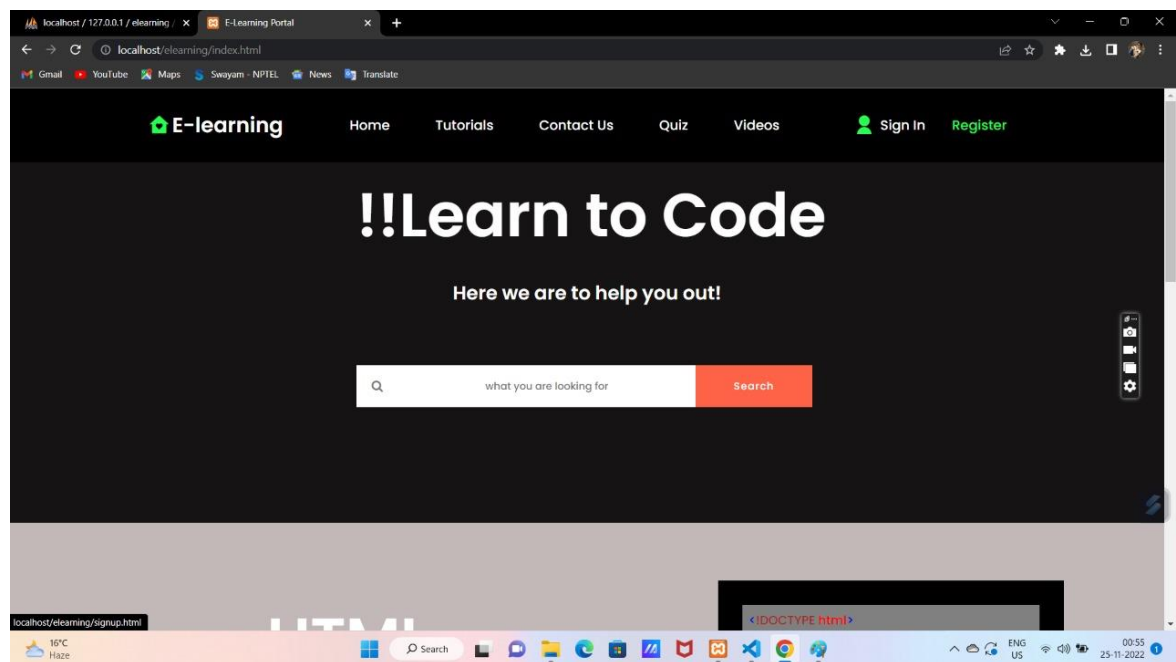
```

```
>&lt;/span>  
></span>  
>This is a heading<span style="color: brown"  
  ><span style="color: mediumblue">&lt;/span>/h1<span  
    style="color: mediumblue"  
  >&gt;</span>  
></span>  
><br />  
<span style="color: brown"  
  ><span style="color: mediumblue">&lt;/span>p<span  
    style="color: mediumblue"  
  >&gt;</span>  
></span>  
>This is a paragraph.<span style="color: brown"  
  ><span style="color: mediumblue">&lt;/span>/p<span  
    style="color: mediumblue"  
  >&gt;</span>  
></span>  
><br /><br />  
<span style="color: brown"  
  ><span style="color: mediumblue">&lt;/span>/body<span  
    style="color: mediumblue"  
  >&gt;</span>  
></span>  
><br />  
<span style="color: brown"  
  ><span style="color: mediumblue">&lt;/span>/html<span  
    style="color: mediumblue"  
  >&gt;</span>  
></span>  
</div>  
  
</div>  
</div>  
</div>  
  
</section>  
  
<section class="section3">  
  <div class="write">  
    <h1 class="head">&nbsp;&nbsp;&nbsp;&CSS</h1>  
    <h5 style="font-size:20px">The language for building web pages</h5>  
    <div class="cbtn"><a href="tutorial.html" style="text-decoration:  
none;">Learn</a> </div>  
    <div class="cbtn"><a href="contact.html" style="text-decoration:  
none;">Contact Us</a> </div>  
    <div class="cbtn"><a href="login.html" style="text-decoration: none;">Quiz</a>  
</div>  
    <div class="cbtn"><a href="videos.html" style="text-decoration:  
none;">Videos</a></div>  
  </div>  
  <div class="htmlbox">  
    <div class="innerbox">  
      <div style="padding:8px;" class="border-green">  
        <span style="color: brown">  
          body <span style="color: black">{</span>  
        ><span style="color: red">  
          ><br />  
          &nbsp;&nbsp;&nbsp;& background-color<span  
            style="color: mediumblue"
```

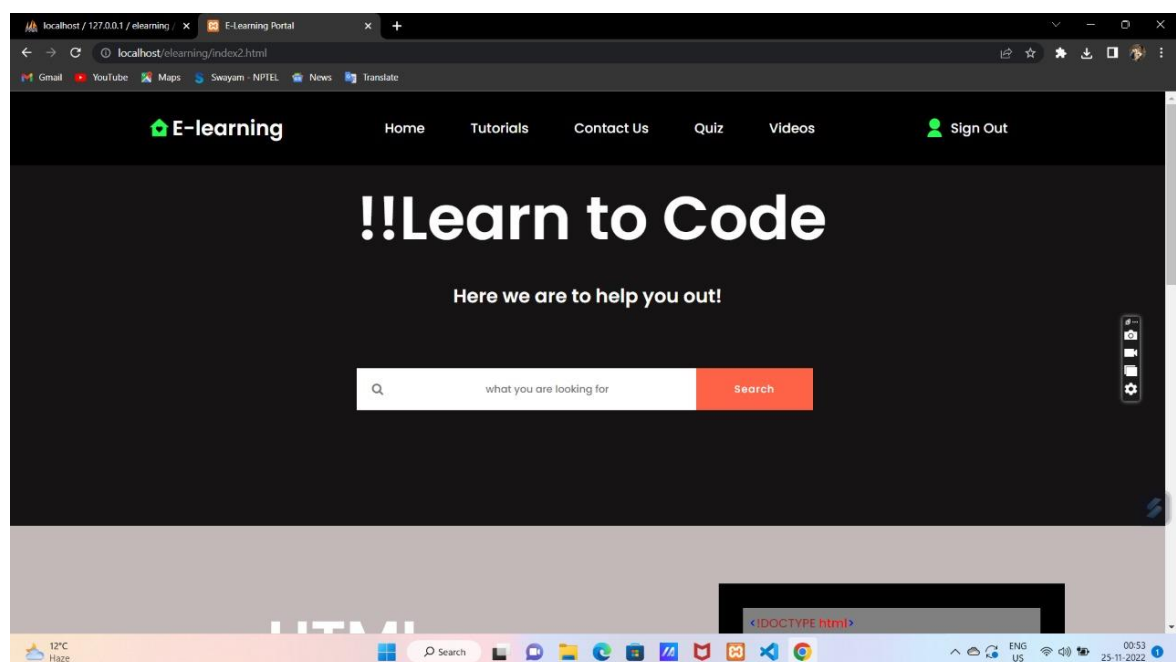


```
•     </div>
•     <div class="fDiv">
•         <h3>
•             Contact Info
•         </h3>
•         <br>
•         <p>New Delhi, India</p>
•         <br>
•         <p>+9999-999-999</p>
•         <br>
•         <p>Abcd@Gmail.com </p>
•         <br>
•         <p>7:00am - 10:00pm</p>
•         <br>
•     </div>
•     <div class="fDiv">
•         <h3>Newsletter</h3>
•         <br>
•         <p>Subscribe for Latest Updates</p>
•         <br>
•         <input type="email" placeholder="enter your email"><br> <br>
•         <button>Subscribe</button>
•     </div>
• </footer>
• </body>
• </html>
•
```

- Before Login



- After Login





## Page 2 : (Tutorial)

```
<head>

<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>E-Learning Portal</title>
<link rel="stylesheet" type="text/css" href="nav1.css">

<link href="https://cdn.jsdelivr.net/npm/remixicon@2.5.0/fonts/remixicon.css"
rel="stylesheet">

<link rel="stylesheet"
href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">
<script type="text/javascript" src="script.js"></script>
<link rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
<link href="https://fonts.googleapis.com/css2?family=Poppins:wght@500;600&display=swap"
rel="stylesheet">
<link rel="stylesheet" href="tutorial.css" />
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
</head>
<body>
<header>
<a href="index.html" class="logo"><i class="ri-home-heart-fill"></i><span>E-
learning</span></a>

<ul class="navbar">
<li><a href="index.html" class="active">Home</a></li>
<li><a href="tutorial.html">Tutorials</a></li>
<li><a href="contact.html">Contact Us</a></li>
<li><a href="login.html">Quiz</a></li>
<li><a href="videos.html">Videos</a></li>
</ul>

<div class="main">
<a href="login.html" class="user"><i class="ri-user-fill"></i>Sign In</a>
<a href="signup.html">Register</a>
<div class="bx bx-menu" id="menu-icon"></div>
</div>
</header>
<script type="text/javascript" src="script.js"></script>
<section class="section1">
<h1 class="tutorials">TUTORIALS</h1>
<div class="container">
<div class="box">
<h2> HTML <br>< > </h2>
<a href="html.html"><button class="click">TRY IT</button></a>
</div>

<div class="box">
<h2>CSS<br> { }</h2>
<a href="css.html"><button class="click">TRY IT</button></a>
</div>

<div class="box">
<h2>JS <br> <_> </h2>
<a href="js.html"><button class="click">TRY IT</button></a>
</div>
</div>
```

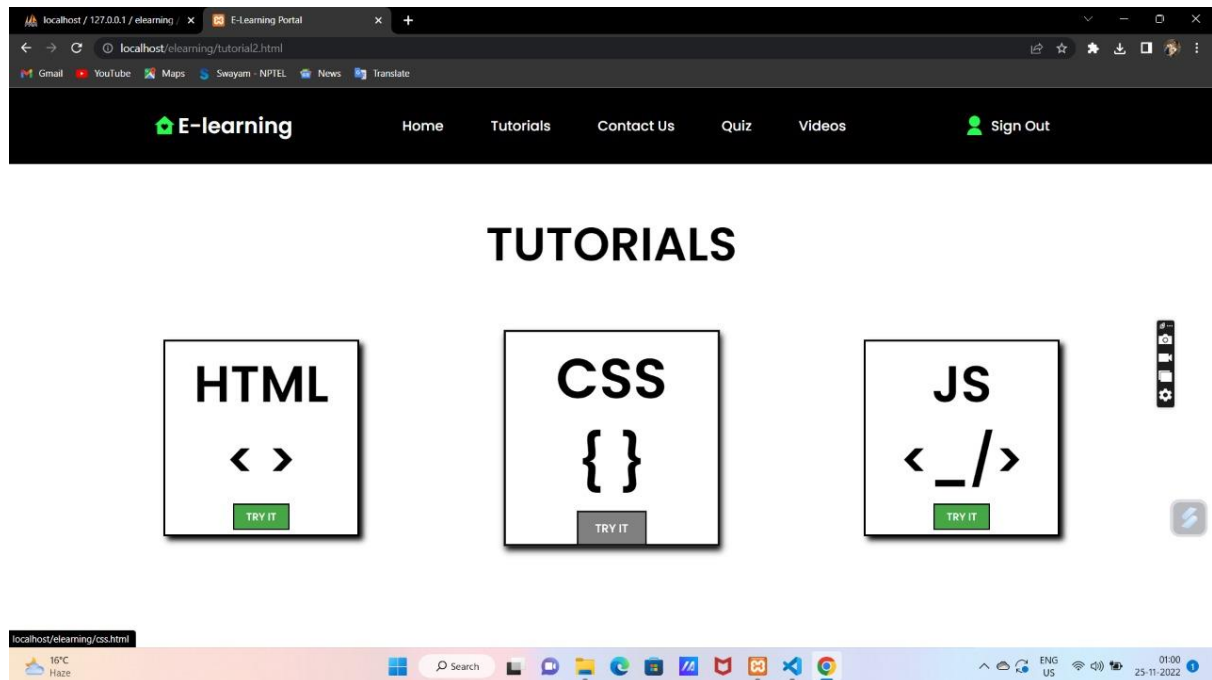
```

    </div>
  </section>

</body>
</html>

```

## • Tutorial



## Page 3 (Quiz.html)

```

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

  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>E-Learning Portal</title>
  <link rel="stylesheet" type="text/css" href="nav1.css">

  <link href="https://cdn.jsdelivr.net/npm/remixicon@2.5.0/fonts/remixicon.css"
rel="stylesheet">

  <link rel="stylesheet"
href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">

  <link rel="preconnect" href="https://fonts.googleapis.com">
  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
  <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@500;600&display=swap"
rel="stylesheet">
  <link rel="stylesheet" href="quiz.css" />
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/font-awesome@4.7.0/css/font-awesome.min.css">
</head>

```

```

<body>
  <header>
    <a href="index.html" class="logo"><i class="ri-home-heart-fill"></i><span>E-
learning</span></a>

    <ul class="navbar">
      <li><a href="index.html" class="active">Home</a></li>
      <li><a href="tutorial.html">Tutorials</a></li>
      <li><a href="contact.html">Contact Us</a></li>
      <li><a href="login.html">Quiz</a></li>
      <li><a href="videos.html">Videos</a></li>
    </ul>

    <div class="main">
      <a href="login.html" class="user"><i class="ri-user-fill"></i>Sign In</a>
      <a href="signup.html">Register</a>
      <div class="bx bx-menu" id="menu-icon"></div>
    </div>
  </header>

  <!--js link-->
  <script type="text/javascript" src="script.js"></script>
  <section>
    <h2>Quiz</h2>
    <div class="maincon">
      <div class="quizcon">
        <h1 class="head">HTML &nbsp;</h1>
        <a href="hquiz.html"><button class="qbtn">TRY IT</button></a>
      </div>

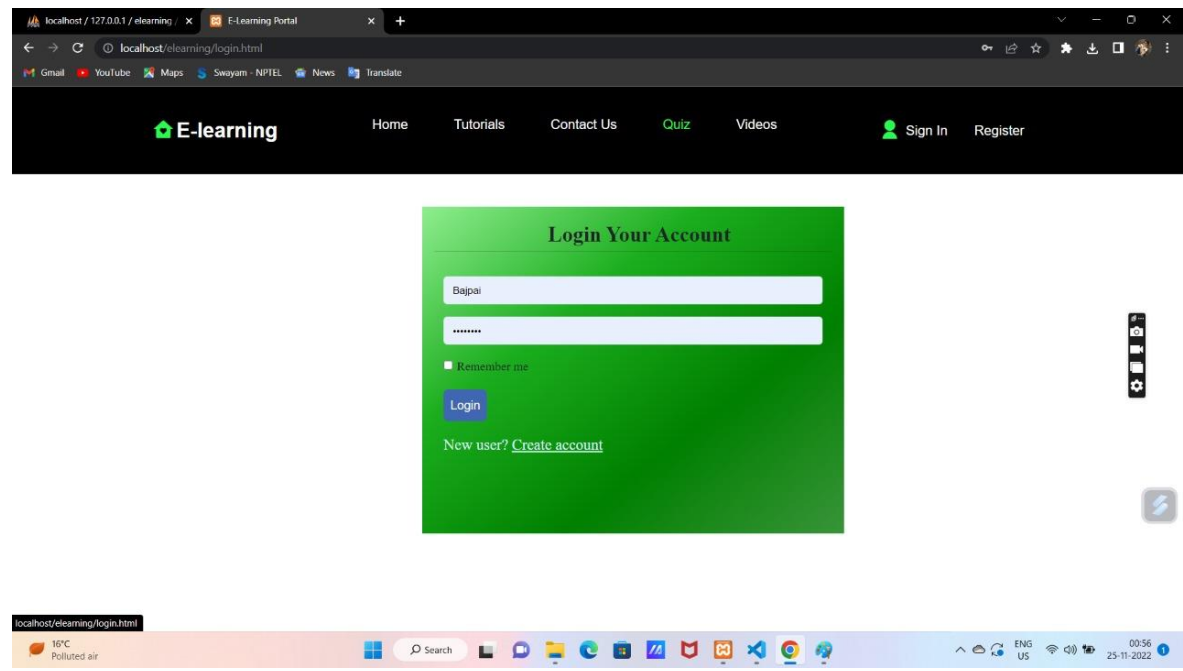
      <div class="quizcon">
        <h1 class="head">CSS <br>{</h1>
        <a href="cquiz.html"><button class="qbtn">TRY IT</button></a>
      </div>

      <div class="quizcon">
        <h1 class="head">JS <br> <></h1>
        <a href="jqquiz.html"><button class="qbtn">TRY IT</button></a>
      </div>
    </div>
  </section>

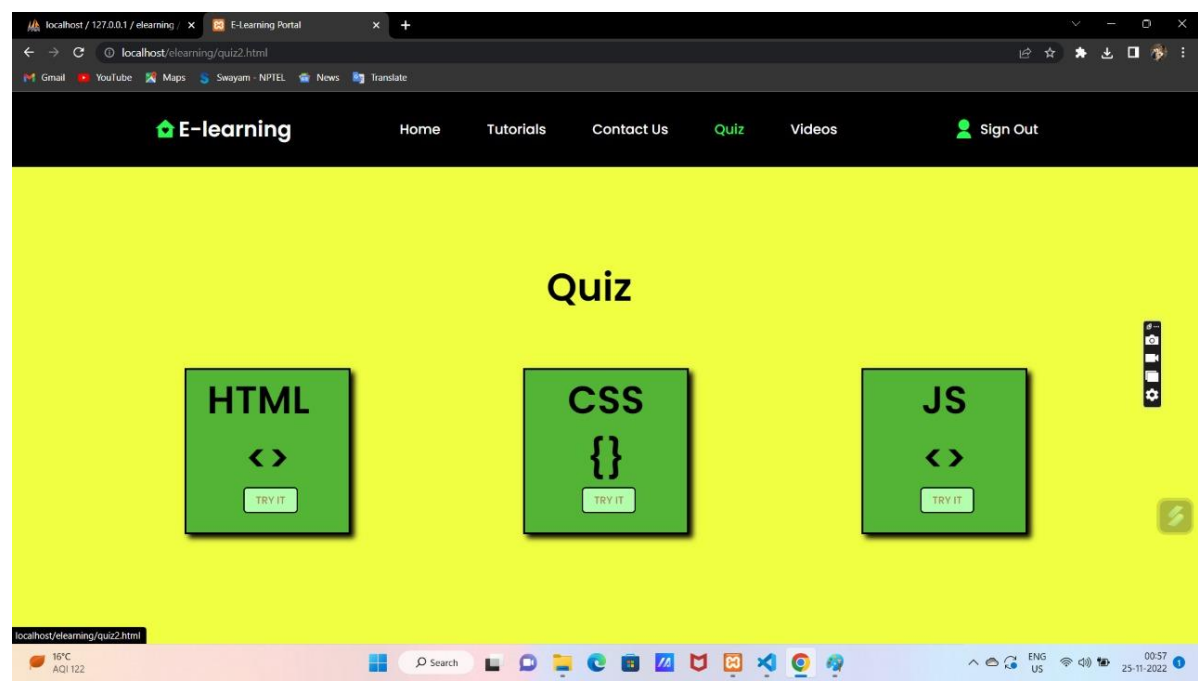
</body>
</html>

```

- Quiz(Before Login)



- Quiz(After Login)



## PAGE 4 (Videos.html)-

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

  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>E-Learning Portal</title>
  <link rel="stylesheet" type="text/css" href="nav1.css">

  <link href="https://cdn.jsdelivr.net/npm/remixicon@2.5.0/fonts/remixicon.css"
rel="stylesheet">

  <link rel="stylesheet"
href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">

  <link rel="preconnect" href="https://fonts.googleapis.com">
  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
  <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@500;600&display=swap"
rel="stylesheet">
  <link rel="stylesheet" href="videos.css" />
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
</head>
<body>
  <header>
    <a href="index.html" class="logo"><i class="ri-home-heart-fill"></i><span>E-
learning</span></a>

    <ul class="navbar">
      <li><a href="index.html" class="active">Home</a></li>
      <li><a href="tutorial.html">Tutorials</a></li>
      <li><a href="contact.html">Contact Us</a></li>
      <li><a href="login.html">Quiz</a></li>
      <li><a href="videos.html">Videos</a></li>
    </ul>

    <div class="main">
      <a href="login.html" class="user"><i class="ri-user-fill"></i>Sign In</a>
      <a href="#">Register</a>
      <div class="bx bx-menu" id="menu-icon"></div>
    </div>
  </header>

  <!--js link-->
  <script type="text/javascript" src="script.js"></script>
<div class="main1">
  <div class="video">
    <h2>HTML</h2>
    <iframe width="350" height="250"
src="https://www.youtube.com/embed/TeZdo8mx0gc" title="YouTube video player"
frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media;
gyroscope; picture-in-picture" allowfullscreen></iframe>
    <iframe width="350" height="250"
src="https://www.youtube.com/embed/EZCc_4abdcE" title="YouTube video player"
frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media;
gyroscope; picture-in-picture" allowfullscreen></iframe>
```

```

        <iframe width="350" height="250" src="https://www.youtube.com/embed/ulv_q6-
b7uI" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay;
clipboard-write; encrypted-media; gyroscope; picture-in-picture"
allowfullscreen></iframe>
        <iframe width="350" height="250"
src="https://www.youtube.com/embed/z6H22xGAZEA" title="YouTube video player"
frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media;
gyroscope; picture-in-picture" allowfullscreen></iframe>

    </div>
    <div class="video">
        <h2>CSS</h2>
        <iframe width="350" height="250" src="https://www.youtube.com/embed/ArUL-
He_AN0" title="YouTube video player" frameborder="0" allow="accelerometer;
autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture"
allowfullscreen></iframe>
        <iframe width="350" height="250" src="https://www.youtube.com/embed/ua24185-
rcw" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay;
clipboard-write; encrypted-media; gyroscope; picture-in-picture"
allowfullscreen></iframe>
        <iframe width="350" height="250"
src="https://www.youtube.com/embed/oPPym7UaSIo" title="YouTube video player"
frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media;
gyroscope; picture-in-picture" allowfullscreen></iframe>
        <iframe width="350" height="250"
src="https://www.youtube.com/embed/5Gz7j4gDrXM" title="YouTube video player"
frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media;
gyroscope; picture-in-picture" allowfullscreen></iframe>

    </div>

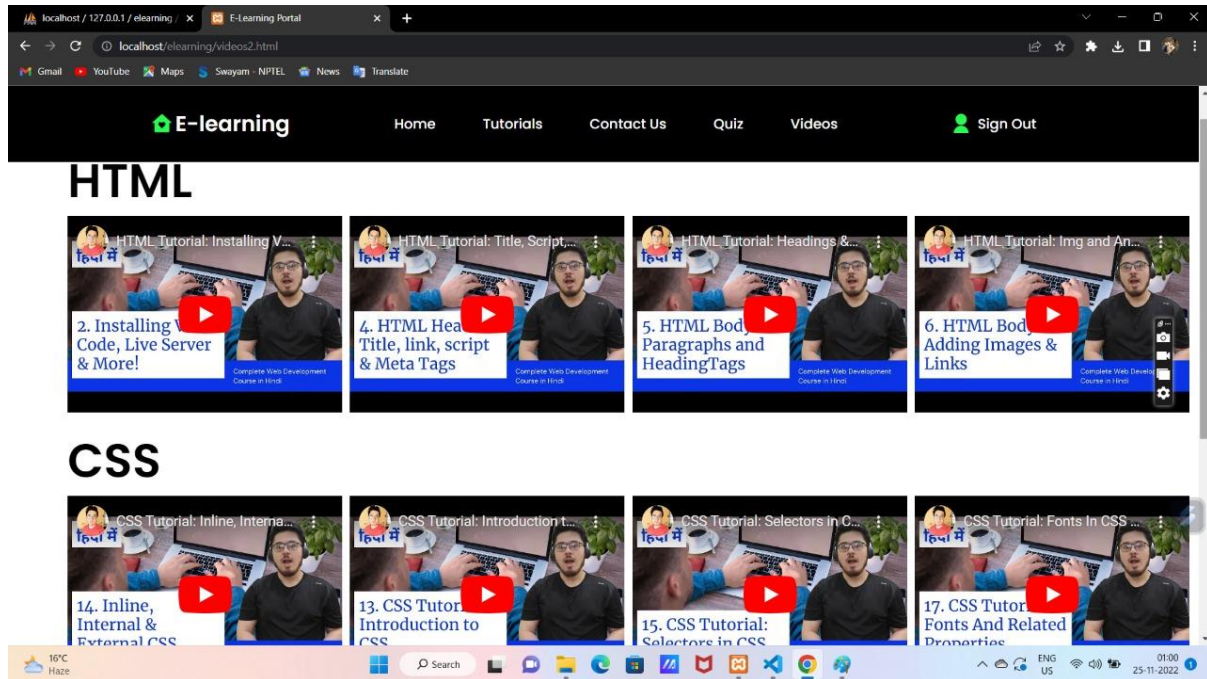
    <div class="video">
        <h2>JAVASCRIPT</h2>
        <iframe width="350" height="250"
src="https://www.youtube.com/embed/01GNWUuLbYk" title="YouTube video player"
frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media;
gyroscope; picture-in-picture" allowfullscreen></iframe>
        <iframe width="350" height="250" src="https://www.youtube.com/embed/f5pG-
uhsykk" title="YouTube video player" frameborder="0" allow="accelerometer;
autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture"
allowfullscreen></iframe>
        <iframe width="350" height="250"
src="https://www.youtube.com/embed/xv82yODVXqo" title="YouTube video player"
frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media;
gyroscope; picture-in-picture" allowfullscreen></iframe>
        <iframe width="350" height="250"
src="https://www.youtube.com/embed/cc800wqj258" title="YouTube video player"
frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media;
gyroscope; picture-in-picture" allowfullscreen></iframe>

    </div>
</div>

</body>
</html>

```

## • Videos



## • Page 5(Contact.html)

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" type="text/css" href="nav1.css">
  <link href="https://cdn.jsdelivr.net/npm/remixicon@2.5.0/fonts/remixicon.css"
rel="stylesheet">
  <link rel="stylesheet" href="contact.css">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.2/dist/css/bootstrap.min.css"
rel="stylesheet"
  integrity="sha384-uWxY/CJNBR+1zjPwMfnSnVxwRheevXITnMqoEIEg1LJrdI0G1Vs/9cVSyPYXdcSF"
crossorigin="anonymous">
</head>
<title>E-Learning Portal</title>
<style>
  a{
    text-decoration: none;
  }
  .header ul li a{
    text-decoration: none;
  }
</style>
</head>
<body>
  <header class="header">
```

```

•      <a href="index.html" class="logo" style="text-decoration: none;"><i class="ri-
home-heart-fill"></i><span>E-learning</span></a>
•
•      <ul class="navbar">
•          <li><a href="index.html" class="active">Home</a></li>
•          <li><a href="tutorial.html">Tutorials</a></li>
•          <li><a href="contact.html">Contact us</a></li>
•          <li><a href="login.html">Quiz</a></li>
•          <li><a href="videos.html">Videos</a></li>
•      </ul>
•
•      <div class="main">
•          <a href="login.html" class="user" style="text-decoration: none;"><i
class="ri-user-fill"></i>Sign In</a>
•          <a href="signup.html" style="text-decoration: none;">Register</a>
•          <div class="bx bx-menu" id="menu-icon" style="text-decoration: none;"></div>
•      </div>
•  </header>
•
•  <div class="Background-Image" style="background-image:url(Contact.jpg);margin-top:
5%;">
•      <h1>Get In Touch <br> With Us.</h1>
•  </div>
•
•  <div class="Form">
•
•      <div class="Form-Idea-1"></div>
•      <div class="Form-Idea-2"></div>
•      <div class="Form-Idea-3">
•          <div style="text-align: center;margin: 15px 10px;">
•              <h4 style="margin: 20px 0px ;">Input Your Ideas</h4>
•              <p>Fill Your details with Your Idea By which We can Go Through it </p>
•          </div>
•          <form class="row g-3" action="contact2.php" method="post">
•              <div class="col-md-4">
•                  <label for="validationDefault01" class="form-label">First name</label>
•                  <input type="text" class="form-control" id="validationDefault01"
name="firstname1" required>
•              </div>
•              <div class="col-md-4">
•                  <label for="validationDefault02" class="form-label">Last name</label>
•                  <input type="text" class="form-control" id="validationDefault02"
name="lastname1" required>
•              </div>
•              <div class="col-md-4">
•                  <label for="validationDefaultUsername" class="form-label">Username</label>
•                  <div class="input-group">
•                      <span class="input-group-text" id="inputGroupPrepend2">@</span>
•                      <input type="text" class="form-control" name="username1"
id="validationDefaultUsername"
•                          aria-describedby="inputGroupPrepend2" required>
•                  </div>
•              </div>
•              <div class="col-md-6">
•                  <label for="validationDefault03" class="form-label">City</label>
•                  <input type="text" class="form-control" name="city1" id="validationDefault03"
required>
•              </div>
•              <div class="col-md-3">
•                  <label for="validationDefault04" class="form-label">State</label>

```



```

•         <select class="form-select" name="select" id="validationDefault04" required>
•             <option selected disabled value="">Choose...</option>
•             <option value="Andhra Pradesh">Andhra Pradesh</option>
•             <option value="Andaman and Nicobar Islands">Andaman and Nicobar
Islands</option>
•             <option value="Arunachal Pradesh">Arunachal Pradesh</option>
•             <option value="Assam">Assam</option>
•             <option value="Bihar">Bihar</option>
•             <option value="Chandigarh">Chandigarh</option>
•             <option value="Chhattisgarh">Chhattisgarh</option>
•             <option value="Dadar and Nagar Haveli">Dadar and Nagar Haveli</option>
•             <option value="Daman and Diu">Daman and Diu</option>
•             <option value="Delhi">Delhi</option>
•             <option value="Lakshadweep">Lakshadweep</option>
•             <option value="Puducherry">Puducherry</option>
•             <option value="Goa">Goa</option>
•             <option value="Gujarat">Gujarat</option>
•             <option value="Haryana">Haryana</option>
•             <option value="Himachal Pradesh">Himachal Pradesh</option>
•             <option value="Jammu and Kashmir">Jammu and Kashmir</option>
•             <option value="Jharkhand">Jharkhand</option>
•             <option value="Karnataka">Karnataka</option>
•             <option value="Kerala">Kerala</option>
•             <option value="Madhya Pradesh">Madhya Pradesh</option>
•             <option value="Maharashtra">Maharashtra</option>
•             <option value="Manipur">Manipur</option>
•             <option value="Meghalaya">Meghalaya</option>
•             <option value="Mizoram">Mizoram</option>
•             <option value="Nagaland">Nagaland</option>
•             <option value="Odisha">Odisha</option>
•             <option value="Punjab">Punjab</option>
•             <option value="Rajasthan">Rajasthan</option>
•             <option value="Sikkim">Sikkim</option>
•             <option value="Tamil Nadu">Tamil Nadu</option>
•             <option value="Telangana">Telangana</option>
•             <option value="Tripura">Tripura</option>
•             <option value="Uttar Pradesh">Uttar Pradesh</option>
•             <option value="Uttarakhand">Uttarakhand</option>
•             <option value="West Bengal">West Bengal</option>
•         </select>
•     </div>
•     <div class="col-md-3">
•         <label for="validationDefault05" class="form-label">Zip</label>
•         <input type="text" class="form-control" name="zip" id="validationDefault05"
required>
•     </div>
•     <div class="form-floating">
•         <textarea class="form-control" name="comments" placeholder="Leave a comment
here" id="floatingTextarea2"
•             style="height: 100px"></textarea>
•         <label for="floatingTextarea2">Comments</label>
•     </div>
•     <div class="col-12">
•         <div class="form-check">
•             <input class="form-check-input" type="checkbox" value="" id="invalidCheck2"
required>
•             <label class="form-check-label" for="invalidCheck2">
•                 Agree to terms and conditions
•             </label>
•         </div>
•     </div>

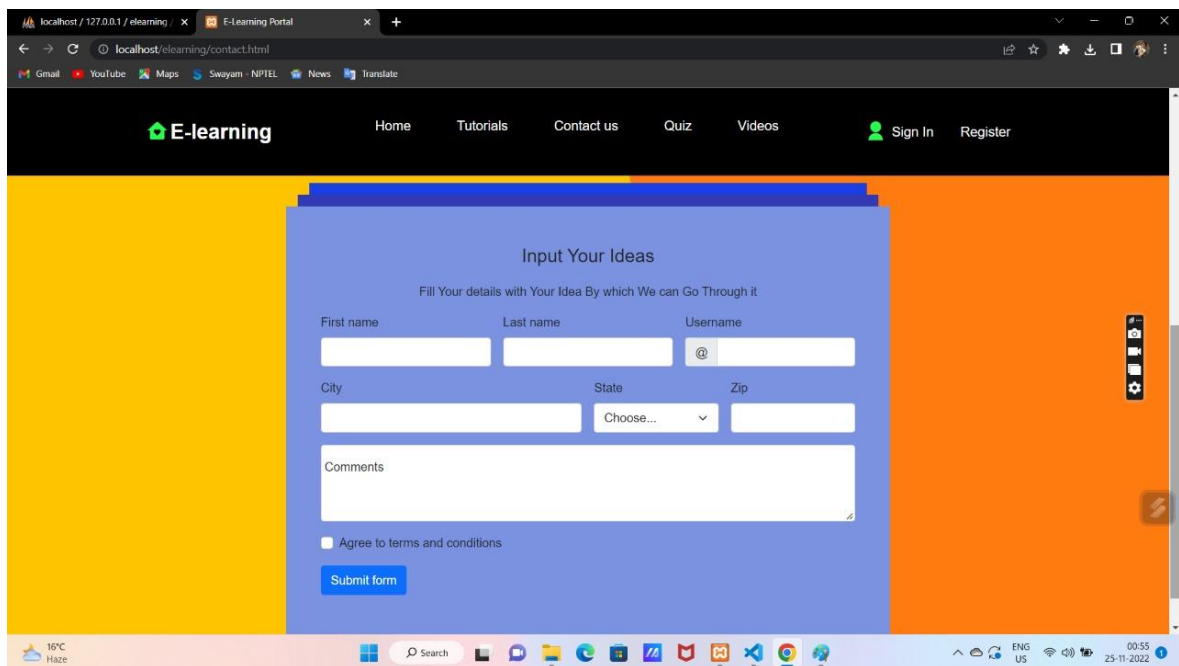
```

```

•       <div class="col-12">
•           <button class="btn btn-primary" name="contact" type="submit">Submit
form</button>
•       </div>
•       </form>
•       </div>
•
•       </div>
•
•       <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.2/dist/js/bootstrap.bundle.min.js"
  integrity="sha384-kQtW33rZJAHjgfvhyzcgF3C5TFyBQBA13V1RKPf4uH+bwyzQxZ6CmMZHmNBEfJ"
  crossorigin="anonymous"></script>
•
•
•
•
•       </body>
•
•       </html>

```

## • Contact Us



## Page 6 (Login.html)

```

<!doctype html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" type="text/css" href="nav1.css">
  <link href="https://cdn.jsdelivr.net/npm/remixicon@2.5.0/fonts/remixicon.css"
rel="stylesheet">

```

```

<title>E-Learning Portal</title>
<style>
  a{
    text-decoration: none;
  }
  .header ul li a{
    text-decoration: none;
  }

  .parent1 {
    width: 100%;
    height: 100vh;

  }

  .parent {
    display: flex;
    width: 60%;
    height: 400px;
    margin-left: 30%;
    /* background-color: brown; */

  }

  .child2 {
    width: 60%;
    height: 60vh;
    /* background-color: white; */
    background-image: linear-gradient(to bottom right,lightgreen,rgb(28, 174, 31),
green, rgb(57, 148, 57));
  }
  /* ::-webkit-input-placeholder {
    color: rgb(253, 249, 23) !important;
  } */
</style>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css"
rel="stylesheet"
integrity="sha384-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvApHHNl/vI1Bx"
crossorigin="anonymous">
</head>

<body>
  <header class="header">
    <a href="index.html" class="logo" style="text-decoration: none;"><i class="ri-home-
heart-fill"></i><span>E-learning</span></a>

    <ul class="navbar">
      <li><a href="index.html" class="active">Home</a></li>
      <li><a href="tutorial.html">Tutorials</a></li>
      <li><a href="contact.html">Contact Us</a></li>
      <li><a href="login.html">Quiz</a></li>
      <li><a href="videos.html">Videos</a></li>
    </ul>

    <div class="main">
      <a href="login.html" class="user" style="text-decoration: none;"><i class="ri-user-
fill"></i>Sign In</a>

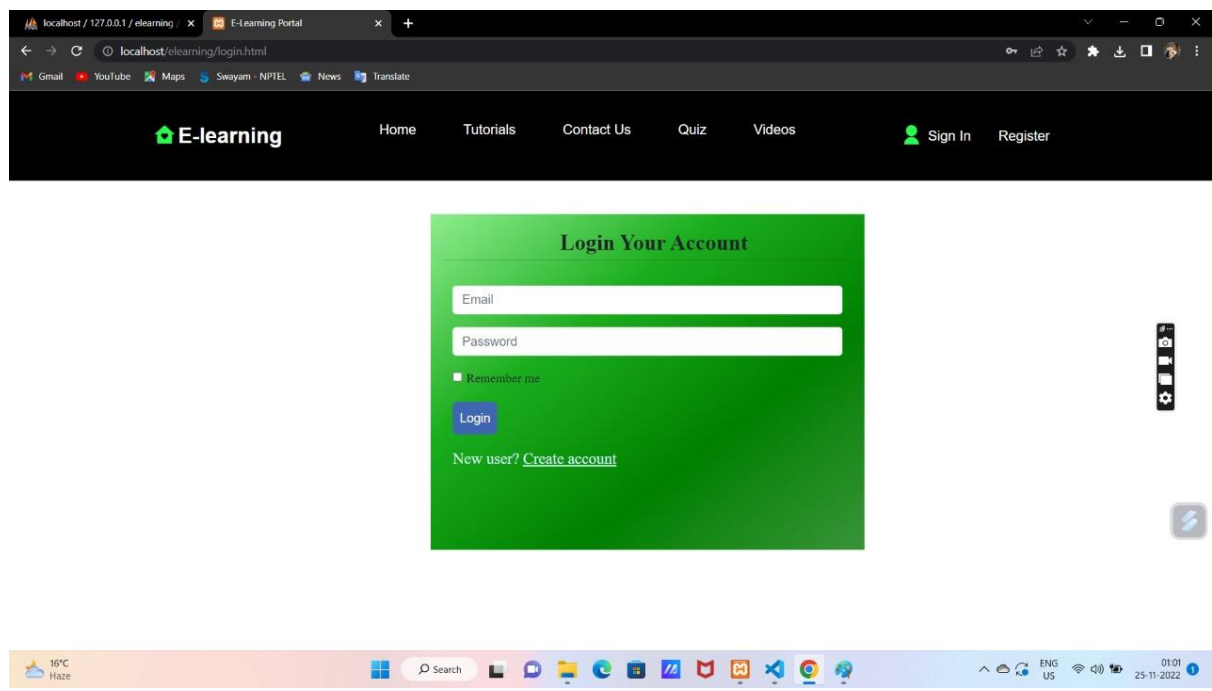
```

```

        <a href="signup.html" style="text-decoration: none;">Register</a>
        <div class="bx bx-menu" id="menu-icon" style="text-decoration: none;"></div>
    </div>
</header>
<form action="http://localhost/elearning/index_login.php" method="post">
    <div class="parent1">
        <div class="d-flex justify-content-center vh-100 align-items-center">
            <div class="parent d-flex">
                <div class="child2">
                    <div class="row m-0 p-3">
                        <div class="col12 fs-3 fw-bold mx-2" style="font-family:'Times New Roman'; text-align: center;">
                            Login Your Account
                        </div>
                        <hr>
                        <div class="col12 fs-3 text-center fw-bold mt-3">
                            <input type="email" placeholder="Email"
                                class="form-control border-0 border-bottom rounded-0 "
                                name="email" style="border-radius: 5px !important;" required>
                        </div>
                        <div class="col12 fs-3 text-center fw-bold mt-3">
                            <input type="password" placeholder="Password"
                                class="form-control border-0 border-bottom rounded-0 "
                                name="password" style="border-radius: 5px !important;" required>
                        </div>
                        <div class="col12 mt-3">
                            <input type="checkbox" name="" id="" required> <span
                                style="font-family:'Times New Roman';">Remember me</span>
                        </div>
                        <div class="col-9 fs-3 fw-bold mt-3">
                            <div class="">
                                <input type="submit" value="Login" class="btn p-2 w-30 font-weight-bold "style="background-color: #4267B2; color:white" >
                            </div>
                        </div>
                        <div class="col12 mt-3">
                            <span style="font-family:'Times New Roman'; color: #DFF6FF ;font-size: 20px;">New user?</span>
                            <a href="signup.html" style="font-family:'Times New Roman'; color: #DFF6FF;font-size: 20px;">Create account</a>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</form>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-A3rJD856KowSb7dwlZdYEk039Gagi7vIsF0jrRAoQmDkKtQBHUuLZ9AsSv4jD4Xa"
    crossorigin="anonymous"></script>
</body>
</html>

```

- **Login**



## Page 7(Signup.html):

```

• <!doctype html>
• <html lang="en">
•
• <head>
• <meta charset="utf-8">
• <meta name="viewport" content="width=device-width, initial-scale=1">
• <link rel="stylesheet" type="text/css" href="nav1.css">
• <link href="https://cdn.jsdelivr.net/npm/remixicon@2.5.0/fonts/remixicon.css"
rel="stylesheet">
• <title>E-Learning Portal</title>
• <style>
• .parent1 {
• /* background-color:rgb(240, 236, 236); */
• background-image: url(../register1.png);
• background-size:cover;
• background-repeat:no-repeat;
• }
•
• .parent {
• width: 30%;
• height: fit-content;
• background-color: #14db5d;
• /* border-radius:10px; */
• }
•
• ::-webkit-input-placeholder {
• color: rgb(0,51,91) !important;
• }
• </style>

```

```

• <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css"
rel="stylesheet"
• integrity="sha384-gH2yIJqKdNHPEq0n4Mqa/HGKIhSkIHeL5AyhkYV8i59U5AR6csBvAphHhNl/vI1Bx"
crossorigin="anonymous">
• </head>
•
• <body>
• <header class="header">
• <a href="index.html" class="logo" style="text-decoration: none;"><i class="ri-home-
heart-fill"></i><span>E-learning</span></a>
•
• <ul class="navbar">
• <li><a href="index.html" style="text-decoration: none;"
class="active">Home</a></li>
• <li><a href="tutorial.html" style="text-decoration: none;">Tutorials</a></li>
• <li><a href="contact.html" style="text-decoration: none;">Contact Us</a></li>
• <li><a href="login.html" style="text-decoration: none;">Quiz</a></li>
• <li><a href="videos.html" style="text-decoration: none;">Videos</a></li>
• </ul>
•
• <div class="main">
• <a href="login.html" class="user" style="text-decoration: none;"><i class="ri-
user-fill"></i>Sign In</a>
• <a href="signup.html" style="text-decoration: none;">Register</a>
• <div class="bx bx-menu" id="menu-icon" style="text-decoration: none;"></div>
• </div>
• </header>
• <div class="parent1">
• <form action="http://localhost/elearning/registration.php" method="post"
name="regForm">
• <div class="d-flex justify-content-center vh-100 align-items-center">
• <div class="parent pb-3">
• <div class="row m-0 p-0">
• <div class="col-12 p-2 text-center fw-bold h2 mb-3 "
style="font-family:'Times New Roman';color: rgb(0,51,91);">
• Register
• </div>
• </div>
• <div class="row justify-content-center m-0 p-0">
• <div class="col-10 p-2 pt-0 text-center fw-bold fs-5" style="font-
family:'Times New Roman';">
• <input type="text" name="first" placeholder="First Name"
class="form-control border-0 border-bottom rounded-0 " required >
• </div>
• <div class="col-10 p-2 text-center fw-bold fs-5" style="font-family:'Times
New Roman';">
• <input type="text" name="last" placeholder="Last Name"
class="form-control border-0 border-bottom rounded-0 " required ">
• </div>
• <div class="col-10 p-2 text-center fw-bold fs-5" style="font-family:'Times
New Roman';">
• <input type="number" name="mobile" placeholder="Mobile"
class="form-control border-0 border-bottom rounded-0 " required ">
• </div>
• <div class="col-10 p-2 text-center fw-bold fs-5" style="font-family:'Times
New Roman';">
• <input type="email" name="email" placeholder="Email"
class="form-control border-0 border-bottom rounded-0" required ">
• </div>
• <div class="col-10 p-2 text-center fw-bold fs-5" style="font-family:'Times
New Roman';">

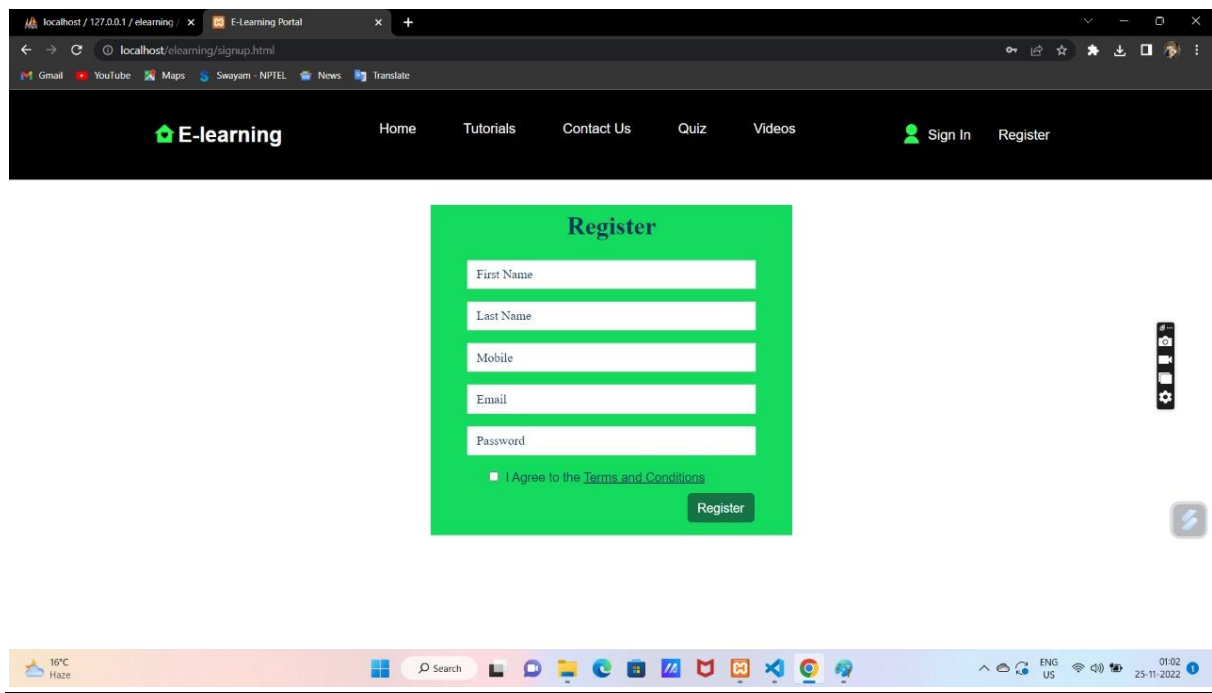
```

```
<input type="password" name="password" placeholder="Password"  
      class=" form-control border-0 border-bottom rounded-0" required >  
</div>  
</div>  
<div class="row p-0">  
    <div class="col-10 p-2 text-center mx-4" style="font-family:'Times New  
Roman';">  
        <input type="checkbox" required> <span class="mx-1" style="color:  
rgb(0,51,91)">I Agree to the <span style="text-decoration: underline; cursor:  
pointer;">Terms and Conditions</span></span>  
    </div>  
    <div class="col-11">  
        <div class="text-end">  
            <input type="submit" value="Register" name="creg" class="btn btn-  
success w-30 mx-2" required>  
        </div>  
    </div>  
</div>  
</div>  
</form>  
</div>
```

```
<script src="./registration.js"></script>  
<script  
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/js/bootstrap.bundle.min.js"  
integrity="sha384-A3rJD856KowSb7dwlZdYEkO39Gagi7vIsF0jrRAoQmDJKktQBHUULz9AsSv4jD4Xa"  
crossorigin="anonymous"></script>
```

```
</body>  
  
</html>
```

- **Signup**



## Quiz

### • Quiz.html

```
• <!DOCTYPE html>
• <html>
• <head>
•   <meta charset="utf-8">
•   <meta name="viewport" content="width=device-width, initial-scale=1">
•   <title>Quiz Game</title>
•   <link rel="stylesheet" type="text/css" href="hquiz.css">
• </head>
• <body>
•   <h1>HTML Quiz Game</h1>
•   <div class="quiz-container">
•     <div id="quiz"></div>
•   </div>
•   <button id="previous">Previous Question</button>
•   <button id="next">Next Question</button>
•   <button id="submit"><a href="quiz.html">Submit Quiz</a></button>
•   <div id="results"></div>
• </div>
• <script src="hquiz.js"></script>
• </body>
• </html>
```

## Quiz.css

```
@import url(https://fonts.googleapis.com/css?family=Work+Sans:300,600);

body{
  font-size: 19px;
  font-family: 'Avenir', sans-serif;
  color: lightseagreen;
```



```

    font-weight: 300;
    text-align: center;
    background-image:
url("https://t4.ftcdn.net/jpg/02/71/12/01/360_F_271120192_ZDT2FCxH94akiIs0HwVULWnbNzi80agn.jpg")
;
    background-repeat: no-repeat;
    background-size: cover;
    margin-top: 200px;
}
h1{
    font-weight: 300px;
    margin: 0px;
    padding: 10px;
    font-size: 30px;
    color: lightseagreen;
;
}
.question{
    font-size: 30px;
    margin-bottom: 10px;
}
.answers {
    margin-bottom: 20px;
    text-align: left;
    display: inline-block;
}
.answers label{
    display: block;
    margin-bottom: 15px;
}
button{
    font-family: 'Brandon Grotesque', sans-serif;
    font-size: 15px;
    background-color: #fff;
    color: black;
    border: 0px;
    border-radius: 20px;
    padding: 20px;
    cursor: -webkit-grabbing; cursor: grabbing;
    margin-bottom: 20px;
    margin-top: 60px;
}
button:hover{
    background-color: green;
}
button:hover:nth-child(3){
    background-color: rgb(255, 196, 2);
}

.slide{
    position: absolute;
    left: 0px;
    top: 0px;
    width: 100%;
    z-index: 2;
    opacity: 0;
    transition: opacity 0.3s;
}
.active-slide{

```

```
opacity: 4;
z-index: 3;
}
.quiz-container{
  position: relative;
  height: 200px;
  margin-top: 30px;
}
```

## Quiz(JavaScript)

```
_____(function() {
  const myQuestions = [
    {
      question: "Q1. Which of the following option leads to the portability and security of
Java?",
      answers: {
        a: "Bytecode is executed by JVM",
        b: "The applet makes the Java code secure and portable",
        c: "Use of exception handling",
        d: "Dynamic binding between objects"
      },
      correctAnswer: "a"
    },
    {
      question: "Q2. Which of the following is not a Java features?",
      answers: {
        a: "Dynamic",
        b: "Architecture Neutral",
        c: "Use of pointers",
        d: "Object-oriented",
      },
      correctAnswer: "c"
    },
    {
      question: "Q3. _____ is used to find and fix bugs in the Java programs.",
      answers: {
        a: "JVM",
        b: "JRE",
        c: "JDK",
        d: "JDB",
      },
      correctAnswer: "d"
    },
    {
      question: "Q4. What is the return type of the hashCode() method in the Object class?",
      answers: {
        a: "Object",
        b: "int",
        c: "long",
        d: "void",
      },
      correctAnswer: "b"
    },
  ],
  {
```

```

    question: "Q5. Which of the following creates a List of 3 visible items and multiple
selections abled?",
    answers: {
      a: "new List(false, 3)",
      b: "new List(3, true)",
      c: "new List(true, 3)",
      d: "new List(3, false)",

    },
    correctAnswer: "b"
  },
];

function buildQuiz() {
  // we'll need a place to store the HTML output
  const output = [];

  // for each question...
  myQuestions.forEach((currentQuestion, questionNumber) => {
    // we'll want to store the list of answer choices
    const answers = [];

    // and for each available answer...
    for (letter in currentQuestion.answers) {
      // ...add an HTML radio button
      answers.push(
        `<label>
          <input type="radio" name="question${questionNumber}" value="${letter}">
            ${letter} :
            ${currentQuestion.answers[letter]}
        </label>`
      );
    }

    // add this question and its answers to the output
    output.push(
      `<div class="slide">
        <div class="question"> ${currentQuestion.question} </div>
        <div class="answers"> ${answers.join("")} </div>
      </div>`
    );
  });

  // finally combine our output list into one string of HTML and put it on the page
  quizContainer.innerHTML = output.join("");
}

function showResults() {
  // gather answer containers from our quiz
  const answerContainers = quizContainer.querySelectorAll(".answers");

  // keep track of user's answers
  let numCorrect = 0;

  // for each question...
  myQuestions.forEach((currentQuestion, questionNumber) => {
    // find selected answer
    const answerContainer = answerContainers[questionNumber];
    const selector = `input[name=question${questionNumber}]:checked`;
    const userAnswer = (answerContainer.querySelector(selector) || {}).value;
  });
}

```

```

    // if answer is correct
    if (userAnswer === currentQuestion.correctAnswer) {
        // add to the number of correct answers
        numCorrect++;

        // color the answers green
        answerContainers[questionNumber].style.color = "lightgreen";
    } else {
        // if answer is wrong or blank
        // color the answers red
        answerContainers[questionNumber].style.color = "red";
    }
});

// show number of correct answers out of total
resultsContainer.innerHTML = `${numCorrect} out of ${myQuestions.length}`;
}

function showSlide(n) {
    slides[currentSlide].classList.remove("active-slide");
    slides[n].classList.add("active-slide");
    currentSlide = n;

    if (currentSlide === 0) {
        previousButton.style.display = "none";
    } else {
        previousButton.style.display = "inline-block";
    }

    if (currentSlide === slides.length - 1) {
        nextButton.style.display = "none";
        submitButton.style.display = "inline-block";
    } else {
        nextButton.style.display = "inline-block";
        submitButton.style.display = "none";
    }
}

function showNextSlide() {
    showSlide(currentSlide + 1);
}

function showPreviousSlide() {
    showSlide(currentSlide - 1);
}

const quizContainer = document.getElementById("quiz");
const resultsContainer = document.getElementById("results");
const submitButton = document.getElementById("submit");

// display quiz right away
buildQuiz();

const previousButton = document.getElementById("previous");
const nextButton = document.getElementById("next");
const slides = document.querySelectorAll(".slide");
let currentSlide = 0;

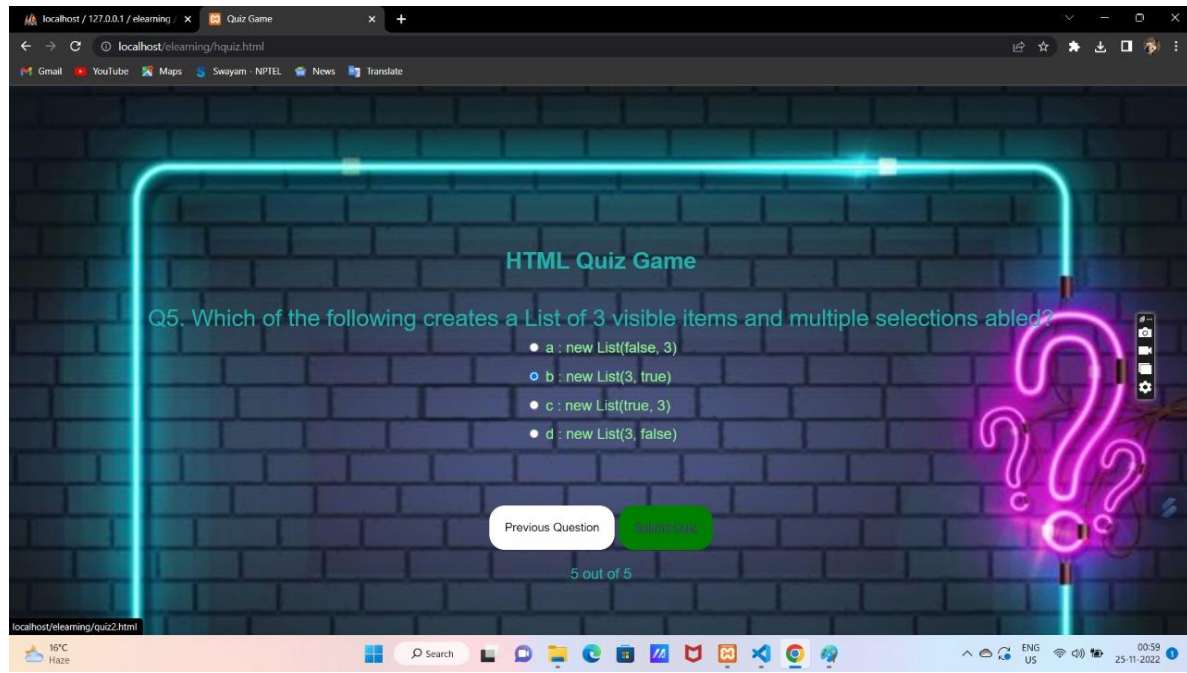
showSlide(0);

// on submit, show results

```

```
submitButton.addEventListener("click", showResults);
previousButton.addEventListener("click", showPreviousSlide);
nextButton.addEventListener("click", showNextSlide);
})();
```

## • Quiz



## BACKEND CODE : (DATABASE , SIGNUP , LOGIN,CONTACT)-

### Index login.php

```
<?php
$conn = new mysqli('localhost', 'root', '', 'elearning');
if($conn->connect_error){
    echo "Error in connection";
    die;
}
$email = $_POST['email'];
$password = $_POST['password'];
$res = "select * from reg where email = '$email' and password = '$password' limit 1";
$res2 = mysqli_query($conn, $res);
$count = mysqli_num_rows($res2);
if($count == 0){
    echo '<script>alert("Invalid username or password")</script>';
    exit();
}
else{
    $row=mysqli_fetch_assoc($res2);
    session_start();
    $_SESSION['client_id']=$row['id'];
```

```

$_SESSION['client_name']=$row['fname'];
header('location:index2.html');
}
?>

```

## registration.php

```

<?php
session_start();
$conn = new mysqli('localhost', 'root', '', 'elearning');
if(isset($_POST['creg']))
{
    $fname = $_POST['first'];
    $lname = $_POST['last'];
    $mobile = $_POST['mobile'];
    $email = $_POST['email'];
    $password = $_POST['password'];
    // echo "name is $fname $lname";
    // echo "Mobile $mobile";

    $cmd = "insert into reg(fname, lname, mobile, email, password) values('$fname','$lname',
'$mobile', '$email', '$password')";
    $m = mysqli_query($conn, $cmd);
    if($m){
        header('location:http://localhost/elearning/login.html');
    }
    else{
        echo "<h2>Mobile/Mail Id is already Registered</h2>";
        echo "<a href='registration.html'>Try Again</a>";
    }
}
?>

```

## • Registration Database

The screenshot shows the phpMyAdmin interface for the 'elearning' database. The 'userinput' table is selected, and its contents are displayed in a table format. The table has columns: firstname, lastname, username, state, zipcode, city, and ideas. There are 5 rows of data.

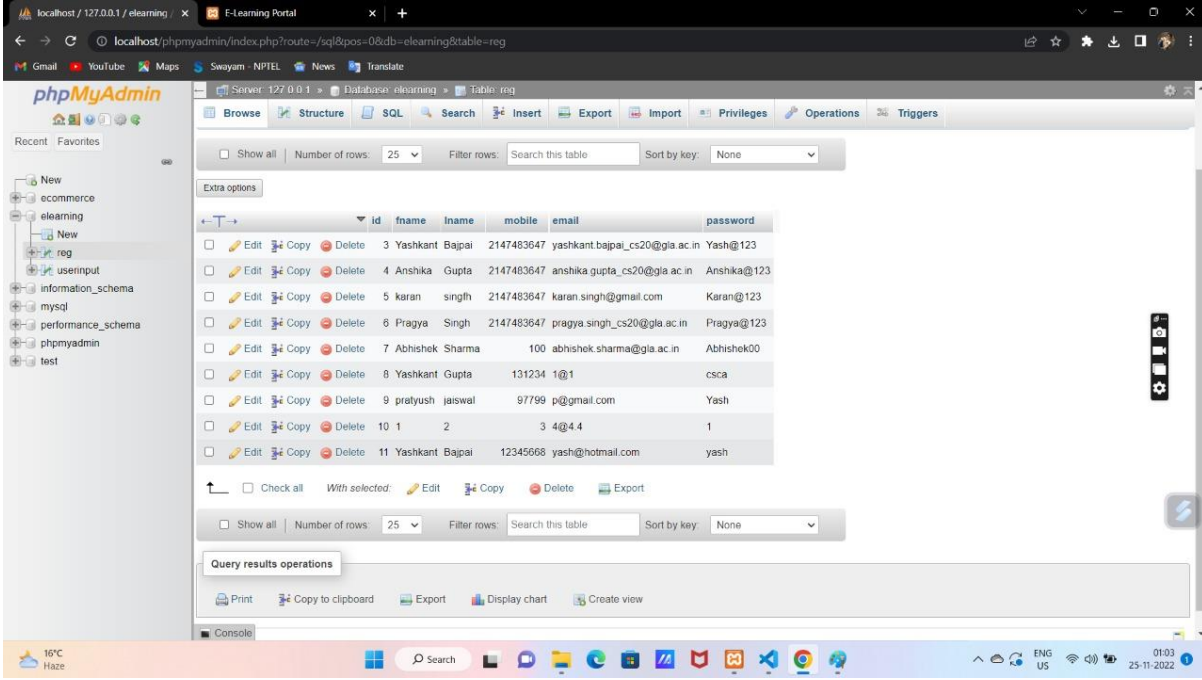
firstname	lastname	username	state	zipcode	city	ideas
anshika	gupta	anshika1211	Uttar Pradesh	261201	Sitapur	hyttdsrssrdrftfyg
Pragya	Singh	katchuwa	Uttar Pradesh	261201	Biswan	vy5r
yash	j	gugfy	Uttar Pradesh	261201	Sitapur	bbghj
dhruv	gupta	dhruv123123	Uttar Pradesh	235123	mathura	rig
Yashkant	Bajpai	elemanto	Uttar Pradesh	261201	Lucknow	it looks a very informative site.

## contact.php

```
<?php
$firstname1= $_POST['firstname1'];
$lastname1= $_POST['lastname1'];
$username1=$_POST['username1'];
$city=$_POST['city1'];
$state=$_POST['select'];
$zipcode=$_POST['zip'];
$vichar=$_POST['comments'];
if(isset($_POST['contact']))
{
    $con=mysqli_connect('localhost','root','','elearning');
    if(!$con)
    {
        echo "you are not connect to the server";
    }
    $sql2="INSERT INTO userinput(Firstname, Lastname, Username, State, zipcode, city, ideas)
VALUES ('$firstname1','$lastname1','$username1','$state','$zipcode','$city','$vichar')";

    if(mysqli_query($con,$sql2))
    {
        header("location:contact2.html");
    }
    echo "<script> location.href='contact.html'</script>";
}
?>
```

## • Contact (Database)



The screenshot displays the phpMyAdmin interface for the 'elearning' database. The 'userinput' table is selected, showing 11 records. The table structure is as follows:

id	fname	lname	mobile	email	password
3	Yashkant	Bajpai	2147483647	yashkant.bajpai_cs20@glia.ac.in	Yash@123
4	Anshika	Gupta	2147483647	anshika.gupta_cs20@glia.ac.in	Anshika@123
5	karan	singh	2147483647	karan.singh@gmail.com	Karan@123
6	Pragya	Singh	2147483647	pragya.singh_cs20@glia.ac.in	Pragya@123
7	Abhishek	Sharma	100	abhishek.sharma@glia.ac.in	Abhishek00
8	Yashkant	Gupta	131234	1@1	cscs
9	pratyush	jaiswal	97799	p@gmail.com	Yash
10	1	2	3	4@4	4
11	Yashkant	Bajpai	12345608	yash@hotmail.com	yash

## **WORKING**

- A user has to register his profile for quizzes.
- User will select what to learn from the variety content available under tutorials dropdown menu.
- User will be able to see the videos of topics of relatively harder bracket.
- Search bar will be provided, So that user can search for their desired content.
- User will be able to contact developer team through Contact us Section.



## **CONCLUSION AND FUTURE WORK**

### **Conclusion:**

As per the goal of this project an attempt is made to show how we can help user by providing content and videos.

E-learning fulfils the thirst of knowledge and offers online content that can be delivered for the learner at anywhere, anytime and any age through a wide range of e-learning solution while compared with traditional learning system. It also provides the rapid access to specific knowledge and information. With the rapid growth of voluminous information sources and the time constraint the learning methodology has changed. Learners obtain knowledge through e-Learning systems rather than manually teaching and learning. This synopsis proposes the E-learning portal with web services oriented frame work. This system focused around the several features namely Content Management, Content Protection, Learning Management, Delivery Management, Evaluation management, Access Control, etc., and mainly focused on integrated platform needed for e-learning and managements.

### **Github Link:**

<https://github.com/Yashkant-Bajpai/E-learning-Portal.git>