

Front End Development

Amaravathi Software Innovations

***Virtual Internship By

*Amaravathi Software Innovations Private Limited****

NAME:SRAVANI,

PURPOSE:INTERNSHIP,

APPLICATION ID:5102266,

COLLEGE:KLMCEW.

1Q) Create a Personal Profile Page:

Use headings, paragraphs, images, and lists. Include a photo, a short bio, and a list of hobbies.

CODE:

```
<!DOCTYPE html>
<html>
<head>
    <title>Personal Profile Page</title>
    <style>
        body {
            font-family: cambria, sans-serif;
            margin: 10px;
        }

        .profile-picture {
            border-radius: 80%;
            width: 100px;
            height: 100px;
            margin-bottom: 60px;
        }

        .hobbies-list {
            list-style-type: none;
            padding: 0;
            margin: 0;
        }

        .hobbies-list li {
            margin-bottom: 10px;
        }

        body {
            background-color: #FFCoCB;
        }
    </style>
</head>
<body>
    <header>
```

```
<h1 id="profile">[SRAVANI'S PROFILE]</h1>
<a
href="sravani123@gmail.com">[sravani123@gmail.com]</a>
>
<a href="6309767909">[6309767909]</a>
</header>
```

```

```

<p><h3>About Me:</h3></p>

<p>I am very passionate front-end developer with a keen eye for detail and a love for crafting high-quality user experiences.

With a strong foundation in HTML, CSS, and JavaScript, I'm always excited to take on new challenges and push the boundaries of what's possible in the world of front-end development.

I am a highly motivated and dedicated individual with a passion for becoming front-end developer.

I have developing strong skills as font-end developer.</p>

<h2>Hobbies</h2>

<ul class="My Hobbies">

Reading Books (failure stories books, competitive books and communication)

Playing online chess

Singing songs

Drawing the simple pictures

<h2>Education</h2>

B.Tech 3rd year

KLM COLLEGE OF INGENEERING FOR WOMEN

*2021-2025 *

```
<li>Branch:AI&ML</li>
```

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

OUTPUT:

[SRAVANI'S PROFILE]

[sravani123@gmail.com] [[6309767909](#)]



About Me:

I am very passionate front-end developer with a keen eye for detail and a love for crafting high-quality user experiences. With a strong foundation in HTML, CSS, and JavaScript, I'm always excited to take on new challenges and push the boundaries of what's possible in the world of front-end development. I am a highly motivated and dedicated individual with a passion for becoming front-end developer. I have developing strong skills as font-end developer.

Hobbies

- Reading Books (failure stories books, competitive books and communication)
- Playing online chess
- Singing songs
- Drawing the simple pictures

Education

- B.Tech 3rd year
- KLM COLLEGE OF ENGINEERING FOR WOMEN
- 2021-2025
- Branch:AI&ML

2Q)Build a Simple Resume:

***Use headings, paragraphs, and lists to format the resume.
Include sections for education, experience, and skills.***

CODE:

```
<!DOCTYPE html>
<html>
<head>
  <title>Sravani's Resume</title>
  <style>
    /* Add a gradient background color to the page */
    body {
      background-image: linear-gradient(to right, #FF69B4,
#6495ED);
      font-family: cambria, sans-serif;
    }

    /* Style the resume container */
    .resume-container {
```

```
width: 80%;
margin: 40px auto;
background-color: #fff;
padding: 20px;
border: 1px solid #ddd;
border-radius: 10px;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}

/* Style the headings */
h1, h2, h3 {
    color: #333;
}

/* Style the lists */
ul {
    list-style: none;
    padding: 0;
    margin: 0;
}
ul li {
    padding: 10px;
    border-bottom: 1px solid #ccc;
}
ul li:last-child {
    border-bottom: none;
}
</style>
</head>
</style>
</head>
<body>
<div class="resume-container">
<h1>SRAVANI</h1>
<h2>Contact Information</h2>
<ul>
    <li>Email: <a href="sravani123@gmail.com">sravani123@gmail.com</a></li>
    <li>Phone: 9876543219</li>
</ul>
<h2>Objective</h2>
```

<p>To obtain a challenging and rewarding role that utilizes my skills in front-end development and allows me to continuously learn and grow as a developer.</p>

<h2>Education</h2>

**

Bachelor of Technology in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING, KLM college of engineering for women(2021-2025)

**

*Coursework: python, Data Structures, Algorithms, Natural Language Processing, Computer Systems, Web Development, Machine Learning, Deep Learning and Artificial Intelligence *

**

**

<h2>Work Experience</h2>

**

<h4>learning front-end development courses like HTML, CSS, and JAVASCRIPT</h4>

**

<h2>Skills</h2>

**

Ability to work under pressure and under deadlines

Good verbal and written Communication Skills

Self-motivated and hardworking

Good Learner

Programming languages: HTML, CSS, JavaScript

**

<h2>Achievements</h2>

<p>I got "PULE AMBEDHKAR PRATIBHA PURASKAR" for getting top marks in 2019.

And i got "Mastering Soft Skills for Professional Succes" participation certificate.</p>

<h2>Knowledge:</h2>

**

* Tools: Visual Studio Code, GitHub*

Operating Systems: Windows

**

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

OUTPUT:

SRAVANI

Contact Information

Email: sravani123@gmail.com

Phone: 9876543219

Objective

To obtain a challenging and rewarding role that utilizes my skills in front-end development and allows me to continuously learn and grow as a developer.

Education

Bachelor of Technology in ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING, KLM college of engineering for women(2021-2025)

Coursework: python, Data Structures, Algorithms, Natural Language Processing, Computer Systems, Web Development, Machine Learning, Deep Learning and Artificial Intelligence

Work Experience

learning front-end development courses like HTML,CSS, and JAVASCRIPT

Skills

Ability to work under pressure and under deadlines

Good verbal and written Communication Skills

Self-motivated and hardworking

Good Learner

Programming languages: HTML, CSS, JavaScript

Achievements

I got "PULE AMBEDHKAR PRATIBHA PURASKAR" for getting top marks in 2019. And i got "Mastering Soft Skills for Professional Success" participation certificate.

Knowledge:

Tools: Visual Studio Code, GitHub

Operating Systems: Windows

3Q)Design a Contact Form:

Create a form with input fields for name, email, subject, and message. Use different input types such as text, email, and textarea.

CODE:

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

```
<title>Contact Form</title>
<style>
body {
    font-family: cambria, sans-serif;
    background-color: #f0f0f0; /* add a light gray background
color */
}
.contact-form {
    max-width: 600px;
    margin: 60px auto;
    padding: 50px;
    background-color: #fff;
    border: 2px solid #ddd;
    border-radius: 10px;
    box-shadow: 0 0 10px rgba(0, 0, 0.1);
}
.contact-form h2 {
    margin-top: 0;
}
.form-group {
    margin-bottom: 20px;
}
.form-group label {
    display: block;
    margin-bottom: 10px;
}
.form-group input[type="text"], .form-group
input[type="email"] {
    width: 100%;
    height: 30px;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 5px;
}
.form-group textarea {
    width: 100%;
    height: 100px;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 5px;
}
```

```
.submit-btn {  
    width: 100%;  
    height: 50px;  
    background-color: #4CAF50;  
    color: #fff;  
    padding: 10px;  
    border: none;  
    border-radius: 5px;  
    cursor: pointer;  
}  
.submit-btn:hover {  
    background-color: #3e8e41;  
}  
</style>  
</head>  
<body>  
    <div class="contact-form">  
        <h2>Contact Us</h2>  
        <form>  
            <div class="form-group">  
                <label for="name">Name:</label>  
                <input type="text" id="name" name="name" required>  
            </div>  
            <div class="form-group">  
                <label for="email">Email:</label>  
                <input type="email" id="email" name="email" required>  
            </div>  
            <div class="form-group">  
                <label for="subject">Subject:</label>  
                <input type="text" id="subject" name="subject" required>  
            </div>  
            <div class="form-group">  
                <label for="message">Message:</label>  
                <textarea id="message" name="message"  
                    required></textarea>  
            </div>  
            <button class="submit-btn" type="submit">Send</button>  
        </form>  
    </div>  
</body>  
</html>
```

OUTPUT:

Contact Us

Name:

Email:

Subject:

Message:

Send

4Q)Create a Blog Post Layout:

Design a page that displays a blog post with a title, author, date, and content. Use appropriate HTML elements like <article>, <header>, <footer> and <section> .

CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>BLOG POST LAYOUT</title>
  <style>
    body {
      font-family: Cambria, sans-serif;
```

```
margin: 0;
padding: 0;
background-color: burlywood;
}

header {
    background-color: blueviolet;
    color: #fff;
    text-align: center;
    padding: 20px;
    margin-bottom: 20px;
}

nav {
    background-color: white;
    padding: 10px;
    margin-bottom: 20px;
}

nav a {
    color: orange;
    text-decoration: none;
    padding: 10px;
    margin-right: 10px;
    display: inline-block;
}

.bcontainer {
    display: flex;
    flex-wrap: wrap;
    max-width: 95%;
    margin: 0 auto;
    padding: 20px;
}

main {
    flex: 2;
}

article {
    margin-bottom: 20px;
}
```

```
padding: 10px 20px;
border-bottom: 1px solid #ccc;
margin-right: 10px;
}

aside {
  flex: 1;
  background-color: #c9c9c9;
  padding: 10px;
}

section {
  background-color: paleturquoise;
  padding: 20px;
  margin-bottom: 20px;
}

section h2 {
  color: blue;
}

section p {
  text-align: justify;
}

footer {
  background-color: whitesmoke;
  color: black;
  text-align: center;
  position: fixed;
  bottom: 0;
  width: 100%;
  padding-bottom: 20px;
}

</style>
</head>
<body>
<header>
  <h1></h1>
  <p>MY BLOG POSTS</p>
```

```
</header>

<nav>
  <a href="#">Home</a>
  <a href="#">HTML</a>
  <a href="#">CSS</a>
  <a href="#">JavaScript</a>
  <a href="#">ReactJS</a>
</nav>

<div class="container">
  <main>
    <section>
      <h2>HTML</h2>
      <p class="post-meta">Published on December 20, 2024 by sravani</p>
      <p>HTML stands for HyperText Markup Language. It is used to design the web pages. With the help of HTML, you can create a complete website structure. HTML is the combination of Hypertext and Markup language. Hypertext defines the link between the web pages and markup language defines the text document within the tag that define the structure of web pages.</p>
      </section>

      <section>
        <h2>CSS</h2>
        <p class="post-meta">Published on December 20, 2024 by sravani</p>
        <p>CSS (Cascading Style Sheets) is used to styles web pages. Cascading Style Sheets are fondly referred to as CSS. The reason for using this is to simplify the process of making web pages presentable. It allows you to apply styles on web pages. More importantly, it enables you to do this independently of the HTML that makes up each web page.</p>
      </section>

      <section>
        <h2>JavaScript</h2>
        <p class="post-meta">Published on December 20, 2024 by sravani</p>
```

<p>JavaScript (JS) is the most popular lightweight, interpreted compiled programming language. It can be used for both Client-side as well as Server-side developments. JavaScript also known as a scripting language for web pages. This JavaScript Tutorial is designed to help both beginners and experienced professionals master the fundamentals of JavaScript and unleash their creativity to build powerful web applications. From basic syntax and data types to advanced topics such as object-oriented programming and DOM manipulation.</p>

</section>

<section>

<h2>ReactJS</h2>

<p class="post-meta">Published on December 20, 2024 by srawani</p>

<p>ReactJS is a declarative, efficient, and flexible JavaScript library for building user interfaces. It is an open-source, component-based front-end library that is responsible only for the view layer of the application. ReactJS is not a framework, it is just a library developed by Facebook to solve some problems that we were facing earlier.</p>

</section>

</main>

<aside>

<h2>Recent Posts</h2>

**

HTML

CSS

JavaScript

ReactJS

**

</aside>

</div>

<footer>

<p>© 2024 My Blog Information. All rights reserved.</p>

</footer>

</body>

</html>

OUTPUT:

The screenshot shows a blog homepage with a purple header bar containing the text "MY BLOG POSTS". Below the header is a navigation bar with links to "Home", "HTML", "CSS", "JavaScript", and "ReactJS". The main content area contains four articles, each with a blue header and a light blue body. The first article is titled "HTML", published on December 20, 2024, by srawani. It defines HTML as HyperText Markup Language used to design web pages. The second article is titled "CSS", also published on December 20, 2024, by srawani. It defines CSS as Cascading Style Sheets used to style web pages. The third article is titled "JavaScript", published on December 20, 2024, by srawani. It defines JavaScript as a lightweight, interpreted programming language used for client-side and server-side development. The fourth article is titled "ReactJS", published on December 20, 2024, by srawani. It defines ReactJS as a declarative, efficient, and flexible JavaScript library for building user interfaces. To the right of the articles is a sidebar titled "Recent Posts" with a list of categories: HTML, CSS, JavaScript, and ReactJS.

MY BLOG POSTS

Home HTML CSS JavaScript ReactJS

HTML

Published on December 20, 2024 by srawani

HTML stands for HyperText Markup Language. It is used to design the web pages. With the help of HTML, you can create a complete website structure. HTML is the combination of Hypertext and Markup language. Hypertext defines the link between the web pages and markup language defines the text document within the tag that define the structure of web pages.

CSS

Published on December 20, 2024 by srawani

CSS (Cascading Style Sheets) is used to styles web pages. Cascading Style Sheets are fondly referred to as CSS. The reason for using this is to simplify the process of making web pages presentable. It allows you to apply styles on web pages. More importantly, it enables you to do this independently of the HTML that makes up each web page.

JavaScript

Published on December 20, 2024 by srawani

JavaScript (JS) is the most popular lightweight, interpreted compiled programming language. It can be used for both Client-side as well as Server-side developments. JavaScript also known as a scripting language for web pages. This JavaScript Tutorial is designed to help both beginners and experienced professionals master the fundamentals of JavaScript and unleash their creativity to build powerful web applications. From basic syntax and data types to advanced topics such as object-oriented programming and DOM manipulation.

ReactJS

Published on December 20, 2024 by srawani

ReactJS is a declarative, efficient, and flexible JavaScript library for building user interfaces. It is an open-source, component-based front-end library that is responsible only for the view layer of the application. ReactJS is not a framework, it is just a library developed by Facebook to solve some problems that we were facing earlier.

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5Q)Develop a Navigation Menu:

Create a horizontal or vertical navigation bar with links to different sections of a website. Use <nav>, , and <a> elements.

CODE:

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
  <meta charset="utf-8">
```

```
<meta name="viewport" content="width=device-width,
initial-scale=1.0">
<title>Navigation Menu</title>
<link rel="stylesheet" href="style.css">
<script src="https://kit.fontawesome.com/ao76do5399.js"
crossorigin="anonymous"></script>
</head>
<body>
<nav>
<input type="checkbox" id="check">
<label for="check" class="checkbtn">
  <i class="fas fa-bars"></i>
</label>
<label class="logo">DesignX</label>
<ul>
  <li><a class="active" href="#">Home</a></li>
  <li><a href="#">About</a></li>
  <li><a href="#">Services</a></li>
  <li><a href="#">Contact</a></li>
  <li><a href="#">Feedback</a></li>
</ul>
</nav>
<section></section>

</body>
</html>

<style>
*{
  padding: 0;
  margin: 0;
  text-decoration: none;
  list-style: none;
  box-sizing: border-box;
}
body{
  font-family: Montserrat;
}
nav{
  background: #0082e6;
  height: 80px;
```

```
width: 100%;  
}  
label.logo{  
color: white;  
font-size: 35px;  
line-height: 80px;  
padding: 0 100px;  
font-weight: bold;  
}  
nav ul{  
float: right;  
margin-right: 20px;  
}  
nav ul li{  
display: inline-block;  
line-height: 80px;  
margin: 0 5px;  
}  
nav ul li a{  
color: white;  
font-size: 17px;  
padding: 7px 13px;  
border-radius: 3px;  
text-transform: uppercase;  
}  
a.active,a:hover{  
background: #1b9bff;  
transition: .5s;  
}  
.checkbtn{  
font-size: 30px;  
color: white;  
float: right;  
line-height: 80px;  
margin-right: 40px;  
cursor: pointer;  
display: none;  
}  
#check{  
display: none;  
}
```

```
@media (max-width:952px){
```

```
label.logo{  
    font-size:30px;  
    padding-left:50px;  
}  
nav ul li a{  
    font-size:16px;  
}  
}
```

```
@media (max-width:858px){
```

```
.checkbtn{  
    display:block;  
}  
ul{  
    position:fixed;  
    width:auto;  
    height:auto;  
    background-color:#2c3e50;  
    top:-100%;  
    left:-100%;  
    text-align:center;  
    transition:.5s;  
}  
nav ul li{  
    display:block;  
    margin-top:-10%;  
    line-height:normal;  
}  
nav ul li a{  
    font-size:normal;  
}  
a:hover,a.active{  
    background-color:none;
```

```

color:#0082e6;

}

check:checked ~ ul{
    left:auto;
    top:auto;

}

section{
background:url(bg1.jpg) no-repeat;
background-size.cover;
height:auto;

```

</style>

OUTPUT:



6Q) Image Gallery:

Create a gallery page with multiple images. Use <figure> and <figcaption> to provide descriptions for each image.

CODE:

```

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">

```

```
<title>Image Gallary</title>
<style>
  body{
    font-family: calibri,sans-serif;
    background-color: gray;
    text-align: center;
  }
  figure{
    border: 2px solid black;
    width: 300px;
    padding: 10px;
    background-color: lightgreen;
    box-shadow: 0 0 10px wheat;
    display: inline-block;
    margin: 5px;
  }
  figure img{
    width: 100%;
  }
  figure figurecaption{
    padding: 10px 25px;
    font-size: 20px;
  }
</style>
</head>
<body>

  <figure>
    
    <figurecaption>NATURE</figurecaption>
  </figure>

  <figure>
    
    <figurecaption>BIRDS</figurecaption>
  </figure>

  <figure>
    
```

```
<figurecaption>BEATY</figurecaption>
</figure>

<figure>
  
  <figurecaption>PEACOCK</figurecaption>
</figure>

<figure>
  
  <figurecaption>RABBIT</figurecaption>
</figure>

<figure>
  
  <figurecaption>FLOWER</figurecaption>
</figure>

<figure>
  
  <figurecaption>FOOD</figurecaption>
</figure>

<figure>
  
  <figurecaption>AEROPLANE</figurecaption>
</figure>

<figure>
  
  <figurecaption>PLACE</figurecaption>
</figure>

<figure>
  
  <figurecaption>BIRDS</figurecaption>
</figure>
```

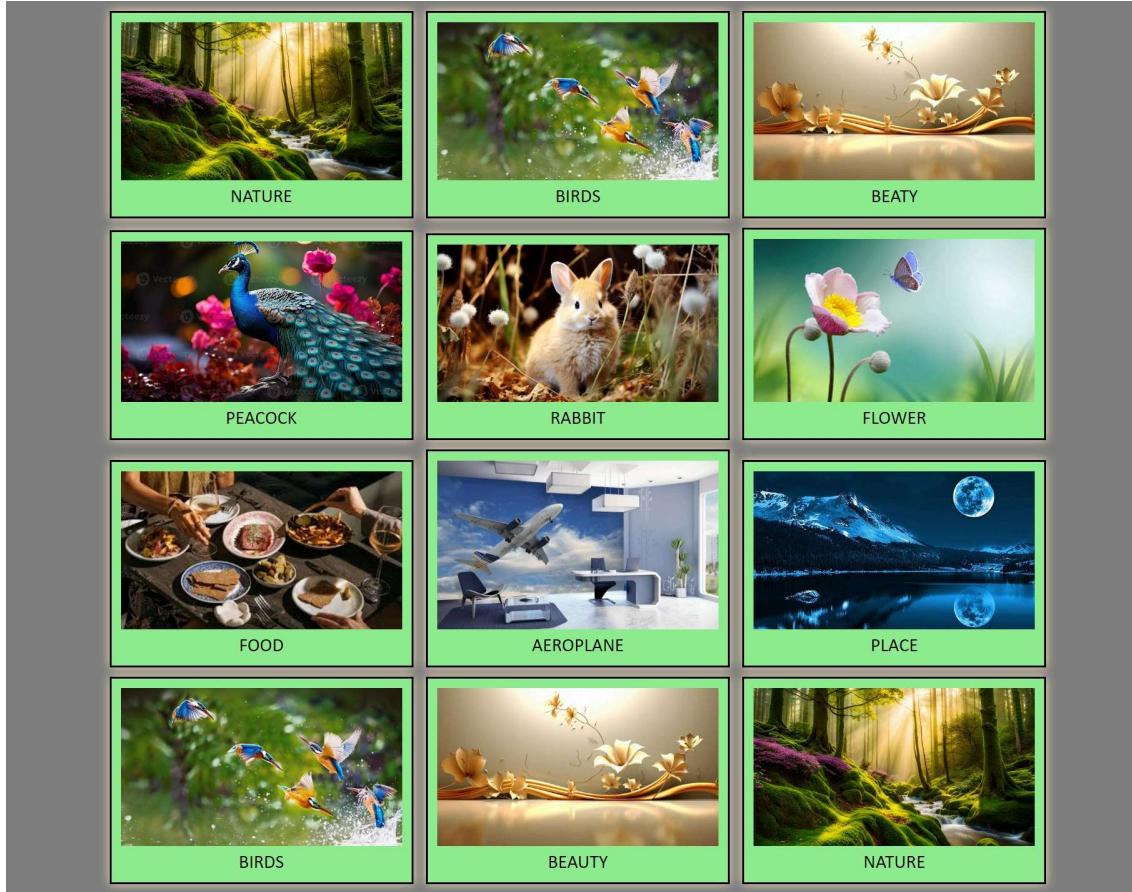
```

<figure>
  
    <figurecaption>BEAUTY</figurecaption>
  </figure>

  <figure>
    
    <figurecaption>NATURE</figurecaption>
  </figure>
</body>
</html>

```

OUTPUT:



7Q)Build a Multi-Page Website:

*Create a small website with multiple interconnected pages.
Ensure consistent navigation across all pages.*

CODE:

MAIN PAGE CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Multi-Page Website</title>
  <link rel="stylesheet" href="blog.css">
</head>
<body>
  <nav>
    <a href="regi.html">mainpage</a>
    <ul>
      <li><a href="Home.html">Home</a></li>
      <li><a href="Services.html">Services</a></li>
      <li><a href="Products.html">Products</a></li>
      <li><a href="Contact.html">Contact</a></li>
    </ul>
  </nav>
  <section>
    <h1>This Is The Main Page:</h1>
    <p>A main page, also known as a homepage, is the primary entry point for users to access a website.  
Its primary goal is to provide a concise and clear introduction to the website's purpose, content,  
and value proposition. A well-designed main page should effectively communicate the website's message  
and encourage users to explore further.</p>
    <p><h3>Purpose:</h3></p>
```

<p><h4>*Introduce your brand:</h4> The About page should give visitors a sense of who you are, what you do, and what sets you apart.</p>

<p><h4>*Establish credibility:</h4> Share your story, highlighting your experience, expertise, and achievements to establish trust with your audience.</p>

<p><h4>*Provide context:</h4> Explain the purpose of your website, what visitors can expect to find, and how it will benefit them.</p>

</section>

</body>
</html>

HOME PAGE CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Multi-Page Website</title>
  <link rel="stylesheet" href="blog.css">
</head>
<body>
  <nav>
    <a href="regi.html">mainpage</a>
    <ul>
      <li><a href="Home.html">Home</a></li>
      <li><a href="Services.html">Services</a></li>
      <li><a href="Products.html">Products</a></li>
      <li><a href="Contact.html">Contact</a></li>
    </ul>
  </nav>

  <section>
```

<h1>Home Page</h1>

<p><h3>A home page is the main web page that a visitor will view when they navigate to a website via a search engine, and it may also function as a landing page to attract visitors.

In some cases, the home page is a site directory, particularly when a website has multiple home pages.

Good home page design is usually a high priority for a website;[4] for example, a news website

may curate headlines and first paragraphs of top stories, with links to full articles.

According to Homepage Usability, the homepage is the "most important page on any website" and

receives the most views of any page. A poorly designed home page can overwhelm and deter visitors

from the site. One important use of home pages is communicating the identity and value of a

company.</h3></p>

</section>

</body>

</html>

SERVICES PAGE CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Multi-Page Website</title>
  <link rel="stylesheet" href="blog.css">
</head>
<body>
  <nav>
    <a href="regi.html">mainpage</a>
    <ul>
```

```

<li><a href="Home.html">Home</a></li>
<li><a href="Services.html">Services</a></li>
<li><a href="Products.html">Products</a></li>
<li><a href="Contact.html">Contact</a></li>
</ul>
</nav>

<section>
    <h1>Services Page</h1>
    <p>A service page is a type of web page that provides information about a service offered by a company or individual.</p>
    <p>Service pages typically include a description of the service, pricing information, and a way to contact the service provider. They may also include customer testimonials, FAQs, and other information designed to help potential customers learn more about the service.</p>
    <p>Service pages are an important part of any website that offers services, as they provide potential customers with the information they need to make an informed decision about whether to use the service.</p>
    <p>By including all of the relevant information on a single page, service pages make it easy for customers to compare different options and choose the best option for their needs.</p>
</section>

</body>
</html>

```

PRODUCT PAGE CODE:

<!DOCTYPE html>

```
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Multi-Page Website</title>
  <link rel="stylesheet" href="blog.css">
</head>
<body>
  <nav>
    <a href="regi.html">mainpage</a>
    <ul>
      <li><a href="Home.html">Home</a></li>
      <li><a href="Services.html">Services</a></li>
      <li><a href="Products.html">Products</a></li>
      <li><a href="Contact.html">Contact</a></li>
    </ul>
  </nav>

  <section>
    <h1>Products Page</h1>
    <p>A product page is a component of an online store. It's a place where potential customers learn about a product's features, benefits, and pricing. Product pages are also where website visitors make a decision to purchase.</p>

    <p>Basic product pages include interactive features that allow users to make product selections, such as size and color, and add a product to their cart.</p>

    <p>Most product pages go beyond these fundamental functions and include informative content, such as high-quality product images, detailed product descriptions, customer reviews, and product comparisons. </p>
```

<p>Well-designed product pages don't just list a product's details, but showcase how a product can solve a problem or improve a customer's life.</p>

</section>

</body>
</html>

CONTACT PAGE CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Multi-Page Website</title>
  <link rel="stylesheet" href="blog.css">
</head>
<body>
  <nav>
    <a href="regi.html">mainpage</a>
    <ul>
      <li><a href="Home.html">Home</a></li>
      <li><a href="Services.html">Services</a></li>
      <li><a href="Products.html">Products</a></li>
      <li><a href="Contact.html">Contact</a></li>
    </ul>
  </nav>

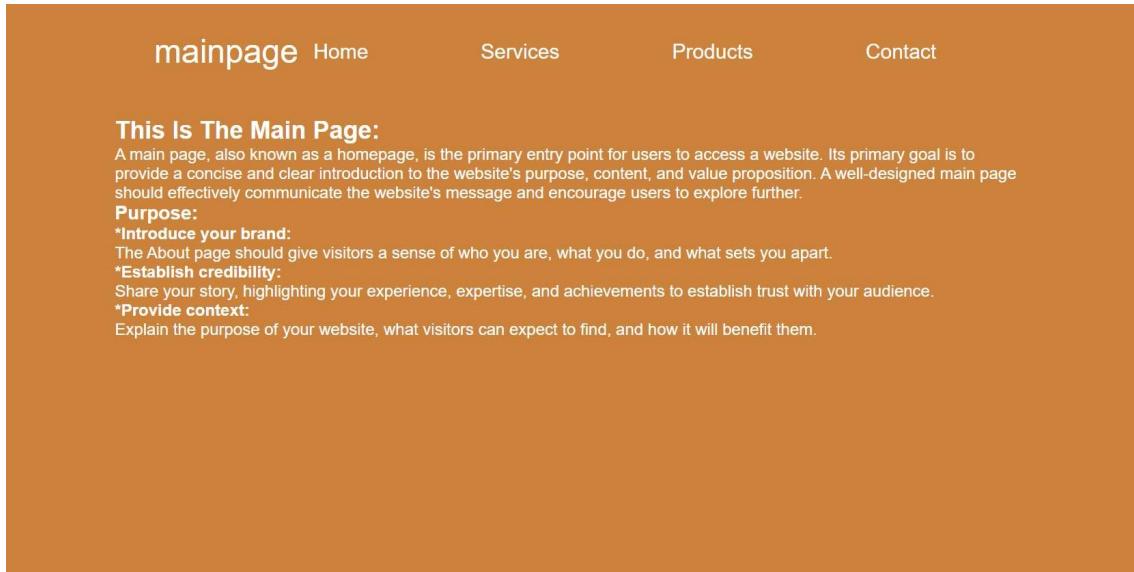
  <section>
    <h1>Contact Page</h1>
    <p><h3>Good Design and Navigation</h3></p>
    <p><h4>Easy Accessibility:</h4></p>
    <p>Ensure the contact form is easily accesibile to visitore</p>
    <p><h4>Optimal Design:</h4></p>
```

<p>Utilize user-friendly layouts, themes, and clear formatting for a seamless experience</p>
<p><h3>clear Purpose and Contact Options:</h3></p>
<p><h4>Clarification:</h4></p>
<p>clearly explain the reasons why visitors should contact business</p>
<p><h4>showcasing work:</h4></p>
<p>Display your brands services or products to offer insights upfront</p>
<p><h4>Contact Information</h4></p>
<p>Provide email and phone number for immediate communication</p>
<p><h4>Call-to-Action:</h4></p>
<p>Include alternative actions for visitors who prefer not to fill out the form, like the option to reach out directly via live chat.</p>

</p>
</section>

</body>
</html>

OUTPUT:



The screenshot shows a website's main page with an orange header. The header contains a navigation menu with links: "mainpage", "Home", "Services", "Products", and "Contact". Below the header, there is a section titled "This Is The Main Page:". It includes a paragraph about the purpose of a main page, followed by three bullet points under the heading "Purpose:".

This Is The Main Page:

A main page, also known as a homepage, is the primary entry point for users to access a website. Its primary goal is to provide a concise and clear introduction to the website's purpose, content, and value proposition. A well-designed main page should effectively communicate the website's message and encourage users to explore further.

Purpose:

- ***Introduce your brand:**
The About page should give visitors a sense of who you are, what you do, and what sets you apart.
- ***Establish credibility:**
Share your story, highlighting your experience, expertise, and achievements to establish trust with your audience.
- ***Provide context:**
Explain the purpose of your website, what visitors can expect to find, and how it will benefit them.

Home Page

A home page is the main web page that a visitor will view when they navigate to a website via a search engine, and it may also function as a landing page to attract visitors. In some cases, the home page is a site directory, particularly when a website has multiple home pages. Good home page design is usually a high priority for a website;^[4] for example, a news website may curate headlines and first paragraphs of top stories, with links to full articles. According to Homepage Usability, the homepage is the "most important page on any website" and receives the most views of any page. A poorly designed home page can overwhelm and deter visitors from the site. One important use of home pages is communicating the identity and value of a company.

Services Page

A service page is a type of web page that provides information about a service offered by a company or individual. Service pages typically include a description of the service, pricing information, and a way to contact the service provider. They may also include customer testimonials, FAQs, and other information designed to help potential customers learn more about the service. Service pages are an important part of any website that offers services, as they provide potential customers with the information they need to make an informed decision about whether to use the service. By including all of the relevant information on a single page, service pages make it easy for customers to compare different options and choose the best option for their needs.

Products Page

A product page is a component of an online store. It's a place where potential customers learn about a product's features, benefits, and pricing. Product pages are also where website visitors make a decision to purchase. Basic product pages include interactive features that allow users to make product selections, such as size and color, and add a product to their cart. Most product pages go beyond these fundamental functions and include informative content, such as high-quality product images, detailed product descriptions, customer reviews, and product comparisons. Well-designed product pages don't just list a product's details, but showcase how a product can solve a problem or improve a customer's life.

Contact Page

Good Design and Navigation

Easy Accessibility:

Ensure the contact form is easily accessible to visitors

Optimal Design:

Utilize user-friendly layouts, themes, and clear formatting for a seamless experience

Clear Purpose and Contact Options:

Clarification:

clearly explain the reasons why visitors should contact business

Showcasing Work:

Display your brand's services or products to offer insights upfront

Contact Information

Provide email and phone number for immediate communication

Call-to-Action:

Include alternative actions for visitors who prefer not to fill out the form, like the option to reach out directly via live chat.

8Q) Create a Table of Products:

Design a table that lists products with columns for name, price, description, and availability. Use <table>, <tr>, <td> and <th> elements.

CODE:

```
<table>
  <tr>
    <th style="background-color: #4CAF50; color: #fff; padding: 10px;">Product Name</th>
    <th style="background-color: #4CAF50; color: #fff; padding: 10px;">Price</th>
    <th style="background-color: #4CAF50; color: #fff; padding: 10px;">Description</th>
    <th style="background-color: #4CAF50; color: #fff; padding: 10px;">Availability</th>
  </tr>
  <tr>
    <td>Pizza</td>
    <td>$15.99</td>
    <td>A delicious homemade pizza made with fresh ingredients.</td>
    <td>In stock</td>
  </tr>
  <tr>
```

Burger	\$12.99	A juicy beef burger topped with lettuce, tomato, and cheese.	Out of stock
Fries	\$3.99	Crispy french fries cooked to perfection.	In stock
Coke	\$2.99	A cold glass of Coca-Cola to quench your thirst.	In stock

```

<style>
table {
    border-collapse: collapse;
}

```

```

th, td {
    border: 1px solid #ddd;
    padding: 10px;
}

```

```

th {
    background-color: #fofofo;
}

```

```

.in-stock {
    color: green;
}

```

```

.out-of-stock {
    color: red;
}

```

</style>

OUTPUT:

Product Name	Price	Description	Availability
Pizza	\$15.99	A delicious homemade pizza made with fresh ingredients.	In stock
Burger	\$12.99	A juicy beef burger topped with lettuce, tomato, and cheese.	Out of stock
Fries	\$3.99	Crispy french fries cooked to perfection.	In stock
Coke	\$2.99	A cold glass of Coca-Cola to quench your thirst.	In stock

9Q) Implement HTML5 Semantic Elements:

Redesign an existing page to use HTML5 semantic elements like <header>, <footer>, <main>, <aside>, and <section>.

Integration and Enhancement Tasks

CODE:

```
<!DOCTYPE html>
<html>
<head>
  <title>my page</title>
</head>
<body>
  <div id="container">
    <div id="header">
      <h1>WELCOME TO MY WEBSITE</h1>
      <nav>
        <ul>
          <li><a href="#">Home</a></li>
          <li><a href="#">About</a></li>
          <li><a href="#">Contact</a></li>
        </ul>
      </nav>
    </div>
    <div id="content">
      <h2>ARTIFICIAL INTELLIGENCE</h2>
```

<h4>what is Artificial intelligence?</h4>

<p>Artificial Intelligence (AI):

"Artificial Intelligence is the development of computer systems that can perform tasks that typically require human intelligence, such as learning, problem-solving, decision-making, and perception, without being explicitly programmed."

In simpler terms, AI refers to machines or computers that can think, learn, and act like humans, without being human themselves.</p>

<h2>MACHINE LEARNING</h2>

<h4>what is machine learning</h4>

<p>Machine Learning (ML):

"Machine Learning is a subset of Artificial Intelligence that enables computers to automatically improve their performance on a task by learning from data, without being explicitly programmed."

In simpler terms, ML is a type of AI that allows computers to learn from data, recognize patterns, and make predictions or decisions without being specifically programmed for each task.</p>

<aside id="sidebar">

<h3>Sidebar</h3>

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed sit amet nulla auctor, vestibulum magna sed, convallis ex.</p>

</aside>

</div>

<div id="footer">

<p>© 2024 All Rights reserved</p>

</div>

</div>

<!-- CSS styles here -->

<style type="text/css">

#container {

width: 100%;

margin: 60px auto;

background-color: #fofofo;

```
padding: 20px;
border: 4px solid #ccc;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}

#header {
    background-color: goldenrod;
    color: black;
    padding: 20px;
    text-align: left;
}

#header h1 {
    margin-bottom: 10px;
}

#content {
    padding: 20px;
}

#sidebar {
    position: absolute;
    color: black;
    background-color: aqua;
    top: 0;
    right: 0;
    width: 20%;
    float: top;
    padding: 30px;
    border: 2px solid black;
}

#footer {
    background-color: blue;
    color: #fff;
    padding: 10px;
    text-align: center;
}

```

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

**NEW

PAGE**

```
<!DOCTYPE html>
<html>
<head>
    <title>My Page</title>
    <style>
        header {
            background-color: lightgreen;
            padding: 20px;
            text-align: center;
        }
        main {
            display: flex;
            flex-direction: column;
            align-items: center;
            padding: 40px;
        }
        section {
            margin-bottom: 20px;
        }
        aside {
            float: right;
            box-sizing: border-box;
            background-color: darkgrey;
            width: 20%;
            padding: 20px;
            border: 1px solid #ccc;
        }
        footer {
            clear: both;
        }
    </style>

```

```
padding: 10px;
background-color: skyblue;
text-align: center;
margin-top: 20px;
}
```

</style>

</head>

<body>

<header>

<h1>THIS IS A NEW WEBSITE</h1>

<nav>

Home

About

Contact

</nav>

</header>

<main class="main-content">

<section id="artificial-intelligence">

<h2>ARTIFICIAL INTELLIGENCE</h2>

<h4>what is Artificial intelligence?</h4>

<p>Artificial Intelligence (AI):
"Artificial Intelligence is the development of computer systems
that can perform tasks that typically require human
intelligence,
such as learning, problem-solving, decision-making, and
perception, without being explicitly programmed."
In simpler terms, AI refers to machines or computers that can
think, learn, and act like humans,
without being human themselves.</p>

</section>

<section id="machine-learning">

<h2>MACHINE LEARNING</h2>

<h4>what is machine learning?</h4>

<p>Machine Learning (ML):
"Machine Learning is a subset of Artificial Intelligence that
enables computers to
automatically improve their performance on a task by
learning from data, without being explicitly

programmed."In simpler terms, ML is a type of AI that allows computers to learn from data,

recognize patterns, and make predictions or decisions without being specifically programmed

for each task.</p>

</section>

<!-- sidebar -->

<aside id="sidebar">

<h3>Sidebar</h3>

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Sed sit amet nulla auctor, vestibulum magna sed, convallis

ex.</p>

</aside>

</main>

<footer id="footer">

<p>© 2024 All Rights Reserved</p>

</footer>

</body>

</html>

OUTPUT:

The screenshot displays a website layout. At the top is a yellow header bar containing the text "WELCOME TO MY WEBSITE" and a navigation menu with links to "Home", "About", and "Contact". To the right of the main content area is a sidebar with a cyan background, titled "Sidebar", which contains placeholder text: "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed sit amet nulla auctor, vestibulum magna sed, convallis ex.". The main content area below the header includes sections for "ARTIFICIAL INTELLIGENCE" and "MACHINE LEARNING", each with its own descriptive text. A blue footer bar at the bottom contains the copyright notice "© 2024 All Rights reserved".

THIS IS A NEW WEBSITE

:

[Home](#)
[About](#)
[Contact](#)

ARTIFICIAL INTELLIGENCE

what is Artificial intelligence?

Artificial Intelligence (AI): "Artificial Intelligence is the development of computer systems that can perform tasks that typically require human intelligence, such as learning, problem-solving, decision-making, and perception, without being explicitly programmed." In simpler terms, AI refers to machines or computers that can think, learn, and act like humans, without being human themselves.

MACHINE LEARNING

what is machine learning?

Machine Learning (ML): "Machine Learning is a subset of Artificial Intelligence that enables computers to automatically improve their performance on a task by learning from data, without being explicitly programmed." In simpler terms, ML is a type of AI that allows computers to learn from data, recognize patterns, and make predictions or decisions without being specifically programmed for each task.



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10Q) Embed a Google Map:

Add a Google Map to a contact page. Use the provided embed code from Google Maps.

CODE:

```
<!DOCTYPE html>
```

```
<html>
```

```
<style>
#map {
  height: 400px;
  width: 100%;
}
</style>
</head>
<body>
```

```
<h1>Embedding Google Map</h1>
<div id="map">
```

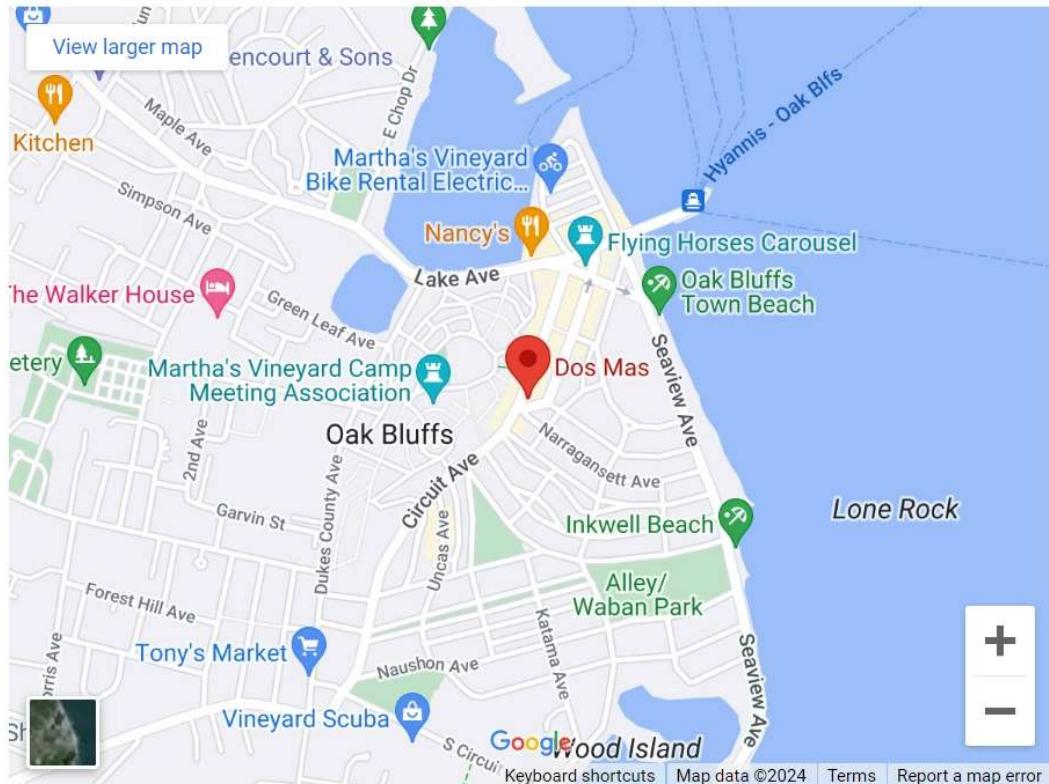
```

<iframe
src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!
1d2990.274257380938!2d-70.56068388481569!3d41.45496659976
631!2m3!1fo!2fo!3fo!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x89e52
963ac45bbcb%3Aoxfo5e8d125e82af10!2sDos%20Mas!5eo!3m2!1se
n!2sus!4v1671220374408!5m2!1sen!2sus"
width="600" height="450" style="border:0;
" allowfullscreen="
" loading="lazy"
referrerpolicy="no-referrer-when-downgrade"></iframe>
</div>
</body>
</html>

```

OUTPUT:

Embedding Google Map



11Q)Integrate a Video:

Embed a YouTube or local video into a webpage. Use the CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,
initial-scale=1.0">
<style>
body {
font-family: calibri, sans-serif;
margin: 0;
padding: 10px;
}
.video-container {
max-width: 800px;
margin: 10px auto;
}
h1 {
text-align: center;
}
</style>
</head>
<body>
<h1>INTEGRATING A VIDEO:</h1>
<div class="video-container">
<iframe width="560" height="315"
src="https://www.youtube.com/embed/1PnVor36_4o?si=v-yG5M
jc-uaeTNWT"
title="YouTube video player"
frameborder="0"
allow="accelerometer; autoplay; clipboard-write;
encrypted-media; gyroscope; picture-in-picture; web-share"
referrerpolicy="strict-origin-when-cross-origin"
allowfullscreen></iframe>
</div>
</body>
```

OUTPUT:

INTEGRATING A VIDEO:



12Q) Embed Audio:

Add an audio player to a webpage. Use the <audio> element with controls for play, pause, and volume. Forms and Input Elements.

CODE:

```
<!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">
    <title>How to autoplay audio</title>
  </head>
  <body>
    <audio controls autoplay muted
src="c:\Users\DELL\Desktop\[iSongs.info] 04 - Maha
Adhbhutham.mp3"></audio>
  </body>
</html>
```

OUTPUT:



0:40 / 3:20

13Q)Create a Survey Form:

Design a survey form with various input types such as text, radio buttons, checkboxes, dropdowns, and textareas. Use <form>, <input>, <select>, and <textarea> elements.

CODE:

```
<!DOCTYPE html>
<html>
<head>
<title>Survey Form</title>
<style>
.box {
    background-color: whitesmoke;
    padding: 20px;
    border: 1px solid #ddd;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    border-radius: 5px;
    width: 500px;
    margin: 20px auto;
}
.box input[type="text"],
.box input[type="radio"],
.box input[type="checkbox"],
.box select,
.box textarea {
    margin-bottom: 10px;
    padding: 5px;
    border: none;
    border-radius: 5px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
</style>
```

```
</head>
<body>
<form>
  <div class="box">
    <h2>Survey Form</h2>
    <p>Thank you for taking the time to complete this survey!</p>

    <!-- Text Input -->
    <label for="name">Your Name:</label>
    <input type="text" id="name" name="name"><br><br>

    <!-- Radio Buttons -->
    <label for="gender">Gender:</label>
    <input type="radio" id="male" name="gender" value="male">
      <label for="male">Male</label>
    <input type="radio" id="female" name="gender" value="female">
      <label for="female">Female</label><br><br>

    <!-- Checkboxes -->
    <label for="hobbies">What are your hobbies?</label>
    <input type="checkbox" id="reading" name="hobbies" value="reading">
      <label for="reading">Reading</label>
    <input type="checkbox" id="playing-games" name="hobbies" value="playing-games">
      <label for="playing-games">Playing Games</label>
    <input type="checkbox" id="traveling" name="hobbies" value="traveling">
      <label for="traveling">Traveling</label><br><br>

    <!-- Additional Text Input -->
    <label for="additional-input">Additional Information:</label>
    <input type="text" id="additional-input" name="additional-input"><br><br>

    <!-- Extra Input -->
    <label for="country">Country:</label>
```

```

<input type="text" id="country" name="country"><br><br>

<!-- Dropdown -->
<label for="favorite-color">What is your favorite
color?</label>
<select id="favorite-color" name="favorite-color">
  <option value="">Select an option</option>
  <option value="red">Red</option>
  <option value="blue">Blue</option>
  <option value="green">Green</option>
  <option value="yellow">Yellow</option>
  <option value="#ffa07a">Orange (NEW!)</option> <!--
added a new option -->
  <option value="#8bc34a">Teal (NEW!)</option> <!-- added
a new option -->
  <option value="#4CAF50">Turquoise (NEW!)</option> <!--
added a new option -->
  <option value="#9C27B0">Purple (NEW!)</option> <!--
added a new option -->
  <!-- ... add more options as needed ... -->
</select><br><br>

<!-- Textarea -->
<label for="comments">Any additional comments or
feedback:</label>
<textarea id="comments"
name="comments"></textarea><br><br>

<!-- Submit Button -->
<input type="submit" value="Submit">
</div>
</form>
</body>
</html>

```

OUTPUT:

Survey Form

Thank you for taking the time to complete this survey!

Your Name: abcd

Gender: Male Female

What are your hobbies? Reading Playing Games Traveling

Additional Information:

Country: India

What is your favorite color? Select an option ▾

Any additional comments or feedback:

Submit

14Q)Registration Form:

Develop a registration form with fields for username, password, email, and confirmation. Use <form>, <input type="password">, and <input type="email">. Media and Embedding.

CODE:

```
<!DOCTYPE html>
<html>
<head>
<title>Registration Form</title>
<style>
body {
    font-family: Arial, sans-serif;
    margin: 20px;
```

```
background-color: #f5f5f5;
}
form {
    background-color: #fff;
    padding: 30px;
    border: 2px solid #007bff;
    border-radius: 10px;
    box-shadow: 0 0 20px rgba(0, 0, 0, 0.1);
    max-width: 500px; /* Set the maximum width here */
    margin: 0 auto; /* Center the form horizontally */
}
form label {
    display: block;
    margin-bottom: 10px;
    font-weight: bold;
}
form input[type="text"], form input[type="email"], form
input[type="password"], form input[type="tel"], form textarea {
    width: 100%;
    height: 45px;
    margin-bottom: 20px;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 5px;
    font-size: 16px;
}
form textarea {
    height: 100px;
    resize: vertical;
}
form button[type="submit"] {
    display: block;
    width: 100%;
    height: 45px;
    background-color: #007bff;
    color: #fff;
    border: none;
    border-radius: 5px;
    font-size: 16px;
    font-weight: bold;
    cursor: pointer;
}
```

```
        transition: background-color 0.3s ease;
    }
    form button[type="submit"]:hover {
        background-color: #0056b3;
    }
</style>
</head>
<body>
<div class="form">
    <h2>Registration Form</h2>
    <form>
        <label for="username">Username:</label>
        <input type="text" id="username" name="username"
placeholder="Enter your username">

        <label for="first-name">First Name:</label>
        <input type="text" id="first-name" name="first-name"
placeholder="Enter your first name">

        <label for="last-name">Last Name:</label>
        <input type="text" id="last-name" name="last-name"
placeholder="Enter your last name">

        <label for="email">Email:</label>
        <input type="email" id="email" name="email"
placeholder="Enter your email">

        <label for="password">Password:</label>
        <input type="password" id="password" name="password"
placeholder="Enter your password">

        <label for="confirm-password">Confirm
Password:</label>
        <input type="password" id="confirm-password"
name="confirm-password" placeholder="Confirm your
password">

        <label for="phone-number">Phone Number:</label>
        <input type="tel" id="phone-number"
name="phone-number" placeholder="Enter your phone
number">
```

```
<label for="address">Address:</label>
<textarea id="address" name="address"
placeholder="Enter your address"></textarea>

<button type="submit">Register</button>
</form>
</div>
</body>
</html>
```

OUTPUT:

Registration Form

Username:

Enter your username

First Name:

Enter your first name

Last Name:

Enter your last name

Email:

Enter your email

Password:

Enter your password

Confirm Password:

Confirm your password

Phone Number:

Enter your phone number

Address:

Enter your address

Register

15Q) Embed an iframe:

Add an iframe to display another webpage or a document within the current page.

Use the <iframe> element with appropriate attributes like src and width.

CODE:

```
<!DOCTYPE html>
<html>
<head>
<title>Embedded An iframe</title>
<style>
```

```


        iframe {
            width: 600px;
            height: 400px;
            border: 1px solid #ddd;
        }
    

```

</style>

</head>

<body>

<h1>Article: Introduction to HTML</h1>

<p>This is a summary of the Wikipedia article on HTML.</p>

<iframe src="https://en.wikipedia.org/wiki/HTML" frameborder="0" width="100%" height="500"></iframe>

</body>

</html>

OUTPUT:

Article: Introduction to HTML

This is a summary of the Wikipedia article on HTML.

The screenshot shows a web browser displaying the Wikipedia article on HTML. The page title is "Article: Introduction to HTML". The main content area contains the text: "This is a summary of the Wikipedia article on HTML." Below this, there is a large `<iframe>` element that loads the full Wikipedia article page for "HTML". The browser's header includes the Wikipedia logo, a search icon, and a language selection dropdown showing "133 languages". The navigation bar at the bottom of the browser window also has "HTML" selected.

16Q) Display a YouTube Video:

Embed a YouTube video on a webpage using the provided embed code.

Ensure proper use of the <iframe> element.

CODE:

```
<!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" href="blog.css">
    <title>Tutorial</title>
  </head>

  <body>
    <iframe width="560" height="315"

src="https://www.youtube.com/embed/PRSyHTajxPk?si=JNRs-raV4eVQHAZA"
      title="YouTube video player"
      frameborder="0"
      allow="accelerometer; autoplay; clipboard-write;
encrypted-media; gyroscope; picture-in-picture; web-share"
      referrerpolicy="strict-origin-when-cross-origin"
      allowfullscreen></iframe>
  </body>
  <style>
    *player{
      aspect-ratio: 16 /9;
      width: 100%;
    }
  </style>
</html>
```

CODE:



******THE END******