Training Day 1

5 June 2024

Semantic Web?

The Semantic Web is a vision about an extension of the existing World Wide Web, which provides software programs with machine-interpretable metadata of the published information and data. In other words, we add further data descriptors to otherwise existing content and data on the Web.

Introduction to HTML

Worked with basic tags like h1, table, image tags etc. Using these tags we have created a simple webpage. Anchor tag was also used.

Code

```html
<html>
  <head>
    <h1>Semantic Web</h1>
    <h2>Semantic Web</h2>
    <h3>Semantic Web</h3>
    <h4>Semantic Web</h4>
    <h5>Semantic Web</h5>
    <h6>Semantic Web</h6>
  </head>
  <body>
    <h1>Homepage</h1>
    <ul>
      <li><a href="index.html">Home</a></li>
      <li><a href="index.html">About Us</a></li>
      <li><a href="Gallery.html">Gallery</a></li>
      <li><a href="index.html">Portfolio</a></li>
      <li><a href="index.html">Contact Us</a></li>
      <li><a href="Form.html">Form</a></li>
    </ul>
    <ol type="1">
      <li>Name</li>
      <ol type="a">
        <li>Harsharan Singh</li>
      </ol>
      <li>Class</li>
      <ol type="a">
```

```html
      <li>D3-CSE-B1</li>
        </ol>
        <li>Roll No</li>
        <ol type="a">
          <li>2104116</li>
        </ol>
      </ol>
   </body>
</html>
```

Above is the code which is written to make a simple website. Including the list tag.

A simple Form is also created by using simply the form tag as well another form was also created in a table. Input tag is used in making checkboxes or radio.

Code

```html
<html>
   <head></head>
   <body>
      <Form>
         <fieldset>
            <label>First Name</label>
            <input type="text">
            <br></br>
            <label>Last Name</label>
            <input type="text">
            <br></br>
            <label>Gender</label>
            <input type="checkbox">M
            <input type="checkbox">F
         </fieldset>
      </Form>
      <legend>Form
      <table border="1px">
        <tr>
          <td>First Name</td>
          <td><input></input></td>
        </tr>
        <tr>
          <td>Last Name</td>
          <td><input></input></td>
        </tr>
        <tr>
```

```html
        <td>Gender</td>
        <td><input type="checkbox">M  <input type="checkbox">F </td>
      </tr>
      <tr>
        <tr>
          <td>Gender</td>
          <td><input type="radio" name="Gender">M  <input type="radio" name="Gender">F </td>
        </tr>
        <tr>
        <td>Date of Birth</td>
        <td><input type="date"></td>
      </tr>
      <tr>
        <td>
          <select>
            <option>TR-102</option>
            <option>TR-103</option>
          </select>
        </td>
      </tr>
    </table>
    </legend>
    <br>
    <button>Submit</button>

  </body>
</html>
```
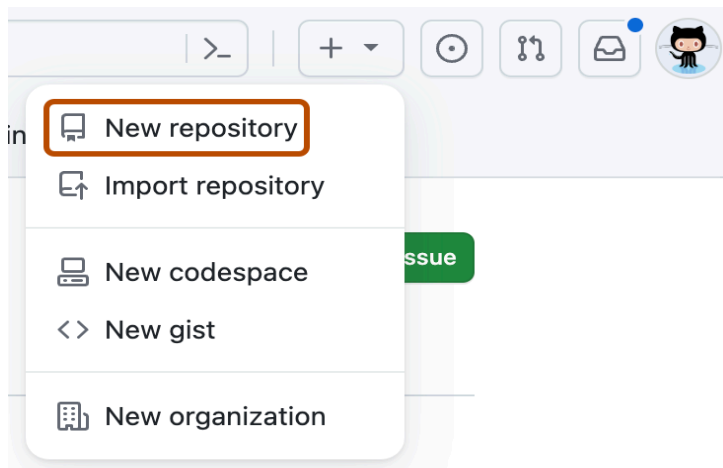
Introduction To GitHub

Firstly visit the website "https://github.com/"

Create your account on this site.

Create a Repository

Step1: In the upper-right corner of any page, select , then click New repository.

Step 2: In the "Repository name" box, type hello-world.

Step 3: In the "Description" box, type a short description. For example, type "This repository is for practicing the GitHub Flow."

Step 4: Select whether your repository will be Public or Private.

Step 5: Select Add a README file.

Step 6: Click Create repository.