



VIT[®]

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

Internet and Web Programming

(CSE – 3002)

LAB ASSESSMENT – 2

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Activity 2

1. Develop a HTML+CSS code to design a web page using drop down menu options.

Q1.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Q1</title>
    <link rel="stylesheet" href="index.css" />
    <link rel="stylesheet" href="Q1.css" />
    <link
      href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.13.0/css/all.min.css"
      rel="stylesheet"
    />
  </head>
  <body>
    <div class="container">
      <div class="navbar">
        <div class="dropdown">
          <button class="dropbtn">
            My Info
            <i class="fa fa-caret-down"></i>
          </button>
          <div class="dropdown-content">
            <a href="#">Profile</a>
            <a href="#">Credentials</a>
            <a href="#">Dayboarder Info</a>
            <a href="#">Acknowledgement View</a>
            <a href="#">Student bank account</a>
          </div>
        </div>
        <div class="dropdown">
          <button class="dropbtn">
            Info Corner
            <i class="fa fa-caret-down"></i>
          </button>
          <div class="dropdown-content">
            <a href="#">FAQ</a>
            <a href="#">Spotlight</a>
            <a href="#">View Circular(s)</a>
          </div>
        </div>
        <div class="dropdown">
          <button class="dropbtn">
            Proctor
            <i class="fa fa-caret-down"></i>
          </button>
          <div class="dropdown-content">
            <a href="#">View proctor Details</a>
            <a href="#">View VTOP Message from Proctor</a>
          </div>
        </div>
        <div class="dropdown">
          <button class="dropbtn">
            Academics
```

```

        <i class="fa fa-caret-down"></i>
    </button>
    <div class="dropdown-content">
        <a href="#">HOD and Dean Info</a>
        <a href="#">Faculty Info</a>
        <a href="#">Course Feedback 24x7</a>
        <a href="#">Biometric Info</a>
        <a href="#">Regulation</a>
        <a href="#">My Curriculum</a>
        <a href="#">Minor/ Honour</a>
        <a href="#">Time Table</a>
    </div>
</div>
<div class="dropdown">
    <button class="dropbtn">
        Research
        <i class="fa fa-caret-down"></i>
    </button>
    <div class="dropdown-content">
        <a href="#">My Research Profile</a>
        <a href="#">SEM Request</a>
        <a href="#">Course Work Registration</a>
        <a href="#">Registration Status</a>
        <a href="#">Meeting info</a>
        <a href="#">Attendance view</a>
        <a href="#">ScholarLeave Request</a>
    </div>
</div>
<div class="dropdown">
    <button class="dropbtn">
        Examination
        <i class="fa fa-caret-down"></i>
    </button>
    <div class="dropdown-content">
        <a href="#">Exam Schedule</a>
        <a href="#">Marks</a>
        <a href="#">Grades</a>
        <a href="#">Paper See/Rev</a>
        <a href="#">Grade History</a>
        <a href="#">Project File Upload</a>
        <a href="#">MOOC File upload</a>
        <a href="#">ECA File Upload</a>
        <a href="#">EPT schedule</a>
    </div>
</div>
</div>
</div>
<div class="header">Welcome To VTOP</div>
<div style="text-align: center">
    <h1>Name: Vibhu Kumar Singh</h1>
    <h2>Reg No: 19BCE0215</h2>
</div>
</body>
</html>

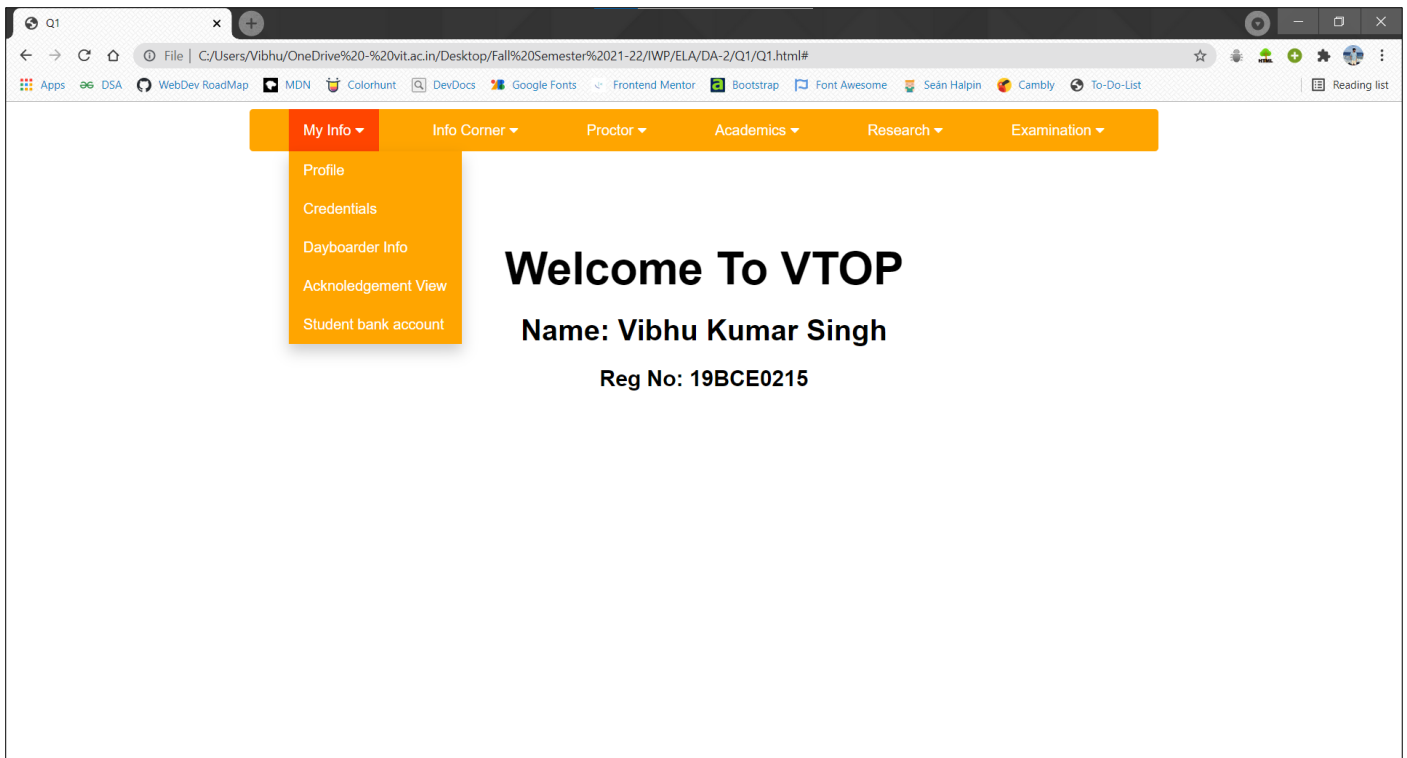
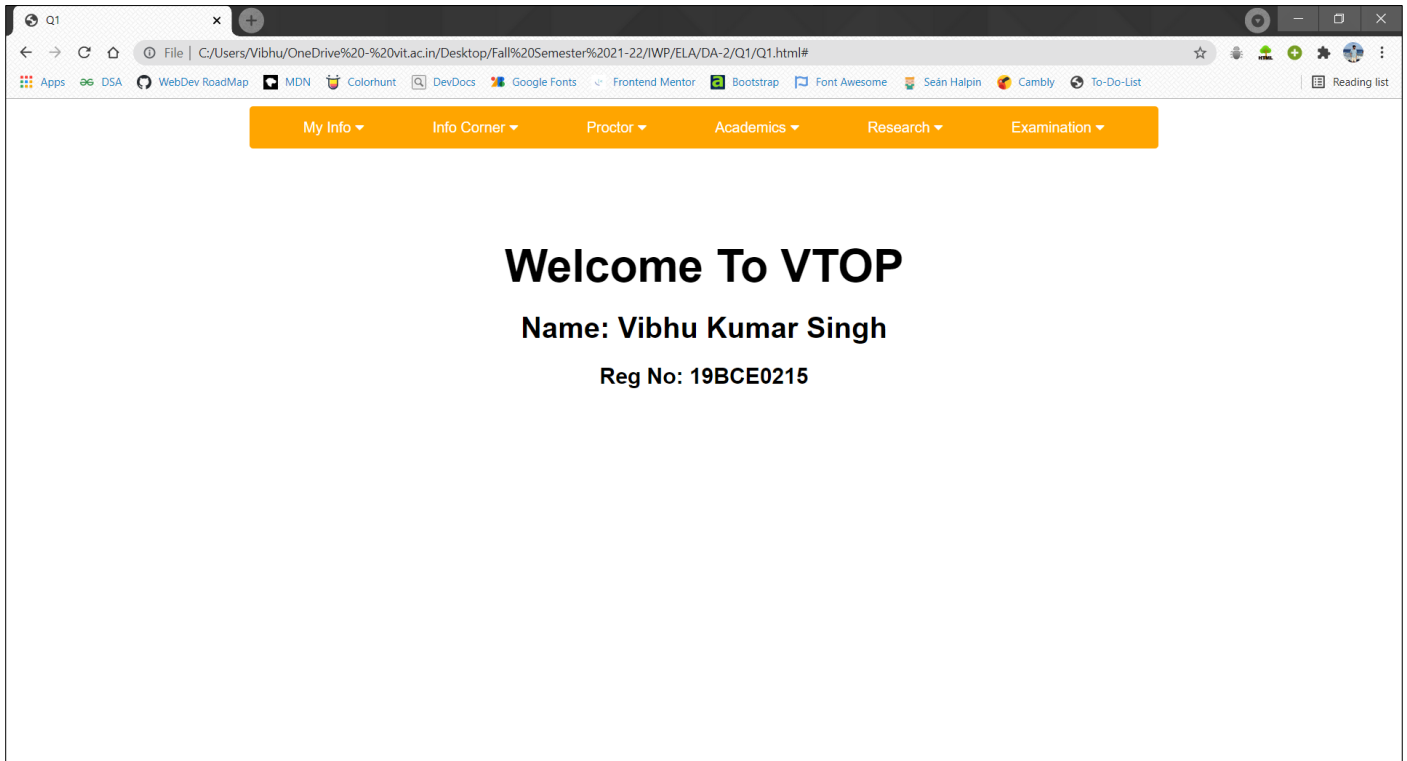
```

Q1.css:

```
body {
  font-family: Arial, Helvetica, sans-serif;
}
.container {
  display: flex;
  justify-content: center;
}
.navbar {
  overflow: hidden;
  width: 1000px;
  background-color: orange;
  border-radius: 4px;
  display: flex;
  justify-content: space-evenly;
  align-items: center;
}
.header {
  margin-top: 100px;
  text-align: center;
  color: black;
  font-size: 50px;
  font-weight: bolder;
}
.dropdown {
  float: left;
  overflow: hidden;
}
.dropdown .dropbtn {
  font-size: 16px;
  border: none;
  outline: none;
  color: white;
  padding: 14px 16px;
  background-color: inherit;
  font-family: inherit;
  margin: 0;
}
.navbar a:hover,
.dropdown:hover .dropbtn {
  background-color: orangered;
}
.dropdown-content {
  display: none;
  position: absolute;
  background-color: orange;
  min-width: 160px;
  box-shadow: 0px 8px 16px 0px rgba(0, 0, 0, 0.2);
  z-index: 1;
}
.dropdown-content a {
  float: none;
  color: white;
  padding: 12px 16px;
  text-decoration: none;
  display: block;
  text-align: left;
}
```

```
.dropdown-content a:hover {
  background-color: orangered;
}
.dropdown:hover .dropdown-content {
  display: block;
}
```

Output:



2. Develop a below page. Apply CSS display and position properties (relative, absolute, fixed, z-index, sticky, inline, block)

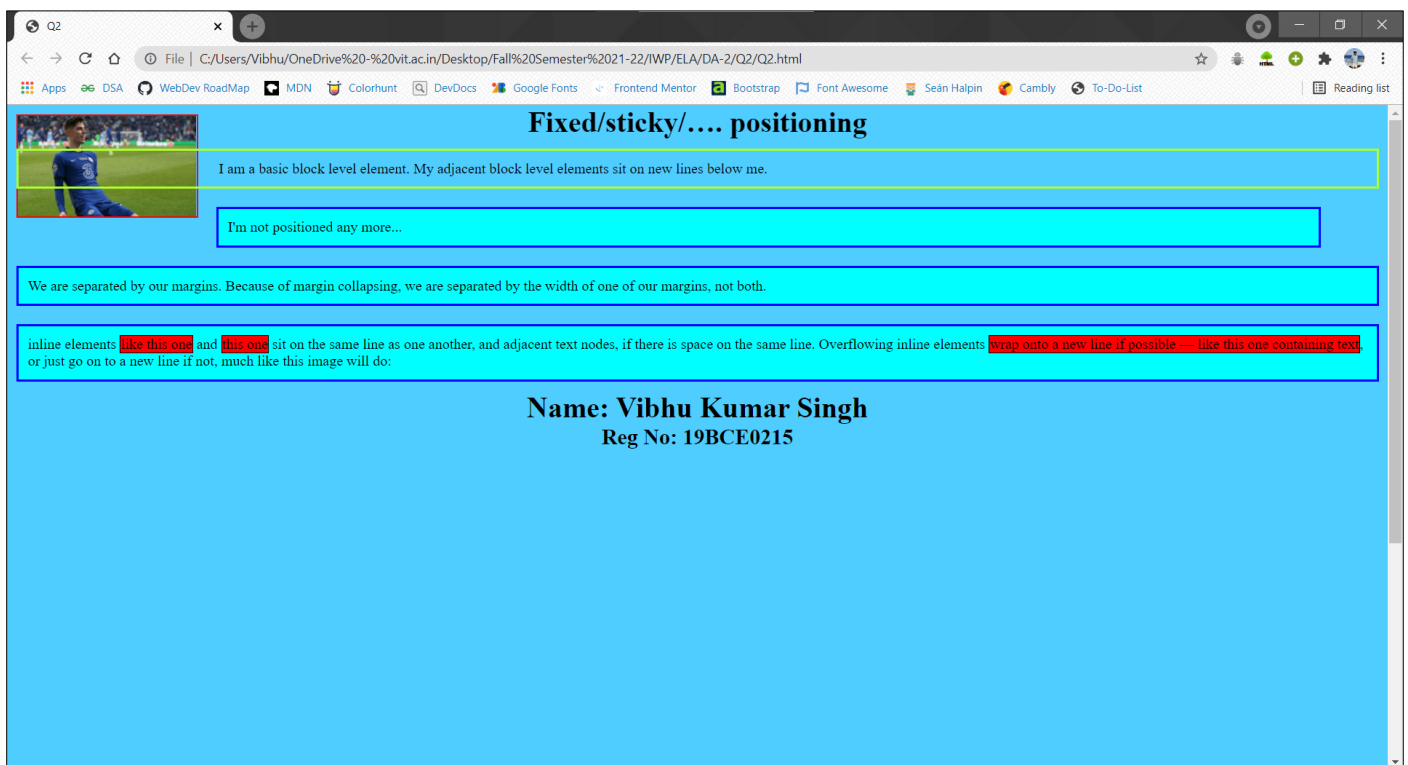
Q2.html:

```
<!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" href="Q2.css" />
    <title>Q2</title>
  </head>
  <body>
    <div class="container">
      <h1 class="sticky">Fixed/sticky/.... positioning</h1>
      <p class="z-index">
        I am a basic block level element. My adjacent block level elements sit
        on new lines below me.
      </p>
      <p class="positioned">I'm not positioned any more...</p>
      <p>
        We are separated by our margins. Because of margin collapsing, we are
        separated by the width of one of our margins, not both.
      </p>
      <p>
        inline elements <span>like this one</span> and <span>this one</span> sit
        on the same line as one another, and adjacent text nodes, if there is
        space on the same line. Overflowing inline elements
        <span>
          >wrap onto a new line if possible – like this one containing
          text</span>
          >, or just go on to a new line if not, much like this image will do:
        </p>
        
        <div style="text-align: center">
          <h1>Name: Vibhu Kumar Singh</h1>
          <h2>Reg No: 19BCE0215</h2>
        </div>
      </div>
    </body>
  </html>
```

Q2.css:

```
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}
body {
  background-color: rgb(80, 205, 255);
}
.container {
  display: flex;
  flex-direction: column;
  height: 150vh;
  z-index: 1;
}
p {
  background: aqua;
  border: 3px solid blue;
  padding: 10px;
  margin: 10px;
}
span {
  background: red;
  border: 1px solid black;
}
.z-index {
  background-color: transparent;
  padding-left: 220px;
  border: 3px solid greenyellow;
}
.sticky {
  position: sticky;
  top: 0;
  width: 100%;
  text-align: center;
  z-index: 2;
}
.positioned {
  width: 80%;
  position: relative;
  top: 0px;
  left: 220px;
}
.absolute {
  top: 10px;
  left: 10px;
  position: absolute;
  width: 200px;
  border: 2px solid red;
  z-index: -1;
}
```

Output:



Sticky Top:

