CA Test Questions
Q2.
b)

```html
<!DOCTYPE html>
<html>
<head>
    <style>
        .hover-button{
            background-color: #3498db;
            color: #fff;
            padding: 10px 20px;
            margin: 10px;
            border: none;
        }
        .hover-text{
            display: none;
            font-size: 16px;
            color: #333;
        }
        /* '+' is an adjacent sibling combinator, which selects the
element that is directly after another specific element */
        .hover-button:hover + .hover-text{
            display: inline;
        }
    </style>
</head>
<body>
    <button class="hover-button">2023</button>
    <span class="hover-text">I am a new learner here.</span>
    <br/>
    <button class="hover-button">2026</button>
    <span class="hover-text">I am a new employee in my dream
company.</span>
</body>
</html>
```

Q2) C
. <mark>Html</mark>

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link rel="stylesheet" href="./style.css">
</head>
<body>

    <div class="container">
        <h1>Sign Up Form</h1>
            <div>
                <label for="name">Name: </label>
                <input type="text" id="name" required pattern="[A-z ]+">
            </div>
            <div>
                <label for="gender">Gender: </label>
                <input type="checkbox" value="male" name="myCheckbox"
id="male" onclick="selectOnlyThis(this)">
                <label for="male">Male</label>
                <input type="checkbox" value="female" name="myCheckbox"
id="female" onclick="selectOnlyThis(this)">
                <label for="female">Female</label>
                <input type="checkbox" value="other" name="myCheckbox"
id="other" onclick="selectOnlyThis(this)">
                <label for="other">Other</label>
            </div>
            <div>
                <label for="country">Country: </label>
                <select name="country" id="country">
                    <option value="india">India</option>
                    <option value="pakistan">Pakistan</option>
                    <option value="bangladesh">Bangladesh</option>
                    <option value="nepal">Nepal</option>
```

```html
                    <option value="srilanka">Sri Lanka</option>
                </select>
            </div>
            <div class="contact">
                <label for="mail">E-mail ID: </label>
                <input type="email" required><br>
                <br>
                <label for="phone">Phone Number: </label>
                <input type="tel" name="phone" pattern="[0-9]{10}"
required >
            </div>
            <div>
                <label for="role">Expected Role: </label>
                <span>
                    <input type="radio" value="student" name="role"
id="student" required><label for="student">Student</label>
                    <input type="radio" value="teacher" name="role"
id="teacher" required><label for="teacher">Teacher</label>
                    <input type="radio" value="both" name="role" id="both"
required><label for="both">Both</label>
                </span>
            </div>
            <button type="submit" id="submitbtn" popovertarget="my-
popover" popovertargetaction="show"> Submit</button>
            <div popover="auto" id="my-popover">Form
SubmittedSuccessfully!
                <button popovertarget="my-popover" id="submitbtn"
popovertargetaction="hide">Done!</button>
            </div>
    </div>

    <script src="./script.js"></script>


</body>
</html>
```

```css
.container{
    width: fit-content;
    border: 2px grey solid;
    box-shadow: 5px 5px 10px grey;
    border-radius: 10px;
    padding: 30px;
    text-shadow: 1px 1px 2px grey;
}

div{
    margin: 20px;
}
input{
    border: 1px solid;
    border-radius: 5px;
}
input[type="radio"]:checked+label{
    color: green;
}
input[type="checkbox"]:checked+label{
    color: green;
}
label{
    margin-top: 30px;
}
input:valid{
    border-color: green;
}
input:invalid{
    border-color: Red;
}
#submitbtn{
    height: 30px;
    width: 70px;
```

```css
    background-color: lightgreen;
    border-radius: 5px;
    margin-left: 40%;

}
#my-popover{
    color: Green;
    font-size: 20px;
    border-radius: 10px;
    padding: 20px;
    position: absolute;
    top: 5%;
    left: 40%;
}
```

JS

```js
function selectOnlyThis(id){
    var myCheckbox = document.getElementsByName("myCheckbox");
    Array.prototype.forEach.call(myCheckbox,function(el){
        el.checked = false;
    });
    id.checked = true;
  }
```