Explanation of Code logic in script.js file

```
JS script.js > 😭 answerCheck
var optionsSelected = [];
var actualAnswers = ["< img &gt;", "background-image: url('');
", "transform: rotate();", "< h1 &gt;", "/* This is a
comment. */"]
let totalOptions = document.querySelectorAll("input");
let totalAnswers = document.querySelectorAll("label");
var score = 0;
function answerCheck() {
    collectSelected();
    checkScore();
    // console.log(score);
    document.getElementById("result").innerHTML = `You have
    scored ${score} out of 5`;
function collectSelected() {
    for (var i = 0; i < totalOptions.length; i++) {</pre>
        if (totalOptions[i].checked) {
            optionsSelected.push(totalAnswers[i].innerHTML);
function checkScore() {
    for (let j = 0; j < actualAnswers.length; j++) {</pre>
        if (optionsSelected[j] == actualAnswers[j]) {
            score++;
```

The above code consists of 3 functions, where answerCheck() function is the main function which is being called on click of the submit button.

Explanation for collectSelected() function

The collectSelected() function basically collects the **innerHTML text** from those options that are **selected** and **stores** them in the **empty array optionsSelected**.

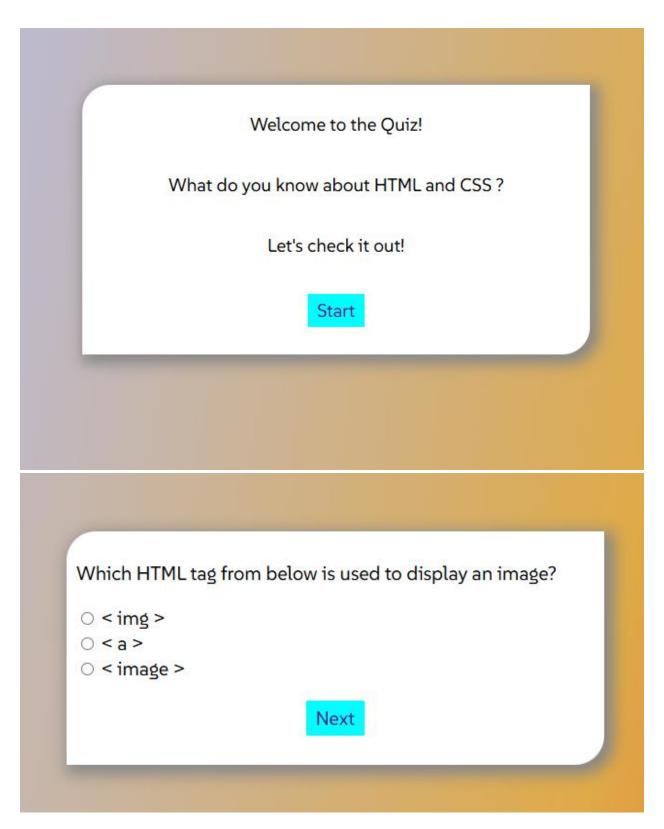
Explanation for the checkScore() function

The checkScore() function basically runs a loop to check if all the values in the optionsSelected array match with that of **actualAnswers array**. If both the value matches, then the **score counter** is incremented.

Explanation for the answerCheck() function

The answerCheck() function is the **main function** that is being called when clicking the **submit button** in the **index.html** file. Furthermore, this function calls the other two functions in a **sequence** (first the collectSelected() is called and after that checkScore() is called) and finally displays the score in a div.

Below are few snapshots of the design of my quiz



Also, I have taken a snapshot of the html code below which displays the div structure arrangement which I have kept the **same** for **each question**.

```
<div class="quiz font">
   <div class="question" id="q2">
       <div class="card">
           Which is CSS property is used to set the
           background image?
           <div>
               <input type="radio" name="option1"</pre>
               id="card2opt1">
               <label for="card2opt1">&lt; img &gt;
               label>
           </div>
           <div>
               <input type="radio" name="option1"</pre>
               id="card2opt2">
               <label for="card2opt2">&lt; a &gt;
           </div>
           <div>
               <input type="radio" name="option1"</pre>
               id="card2opt3">
               <label for="card2opt3">background-image:
               url('');</label>
           </div>
           <div class="btn">
               <a href="#q3">Next</a>
           </div>
       </div>
   </div>
```