



18CSE361T Web Programming

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BONAFIDE CERTIFICATE

Register No.

Certified to be the bonafide record of work done by Saloni Smriti of
CSE-IT, B.Tech Degree course in the Practical **18CSE361T -Web Programming** in
SRM Institute of Science and Technology, Kattankulathur during the academic year 2022-
2023(Odd Sem).

Signature of the Faculty

Signature of the HOD/NWC

Submitted for University Examination held on _____SRM Institute of Science and
Technology, Kattankulathur.

Examiner-1

Examiner-2

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Abstract: -

The project: "Quiz Application" is a collection of number of different types of quizzes like technical, games, sports, etc. A user can access/play all the quiz and can attempt any of the one. There will be limited number of questions and for each correct answer user will get a credit score. User can see answers as well as can ask a query related to it. There are many quiz applications available currently on internet. But there are few which provide better understanding between users and the application like, providing proper answers, user query solving, uploading user questions as well as answer to it, etc. To develop a user-friendly quiz application which will contain: Numbers of quiz, Answers to every question, Query solving regarding any question, uploading of user question and answer, and to improve the knowledge level of users. To develop an application which will contain solution to the above problems. By this application the user will come to know about his/her level and can learn additional knowledge. Also, by this application a user can expand his/her knowledge among the world.

1. INTRODUCTION

1.1 Purpose

This web application provides facility to Play online quiz and practice Grammar, Aptitude, and G.K. It provides a good platform, where a student not only judges their knowledge/skill but also, they can improve knowledge/skill at the same time.

1.2 Scope

The Scope of this project is very broad in terms of gaining knowledge and sharing knowledge among world.

Few points are: -

- Can be used anywhere any time as it is a web-based application.
- This application will be used in educational institutions as well as in corporate world.

1.3 Problem Definition

"Our aim is to develop an application for the users in which a user can attempt any number of quiz related to his/her choice." Firstly, we must make interfaces for Home Page, Registration, Login Page, Questions Attempting forum, Result Page, & Profile of user. These all pages have connectivity with the server and database. So, that it can work properly. Currently, there are websites which only provide limited number of quizzes related to different domain. Many websites do not have a single platform for quizzes related to technical, G.K, Aptitude, Games, etc. And there is not a website where the users can upload his/her questions and answers for the others. We have to

develop a application which can resolve all of the above problems. By this user can gain knowledge, can solve his/her query, and spread his/her knowledge among the world.

Requirements: -

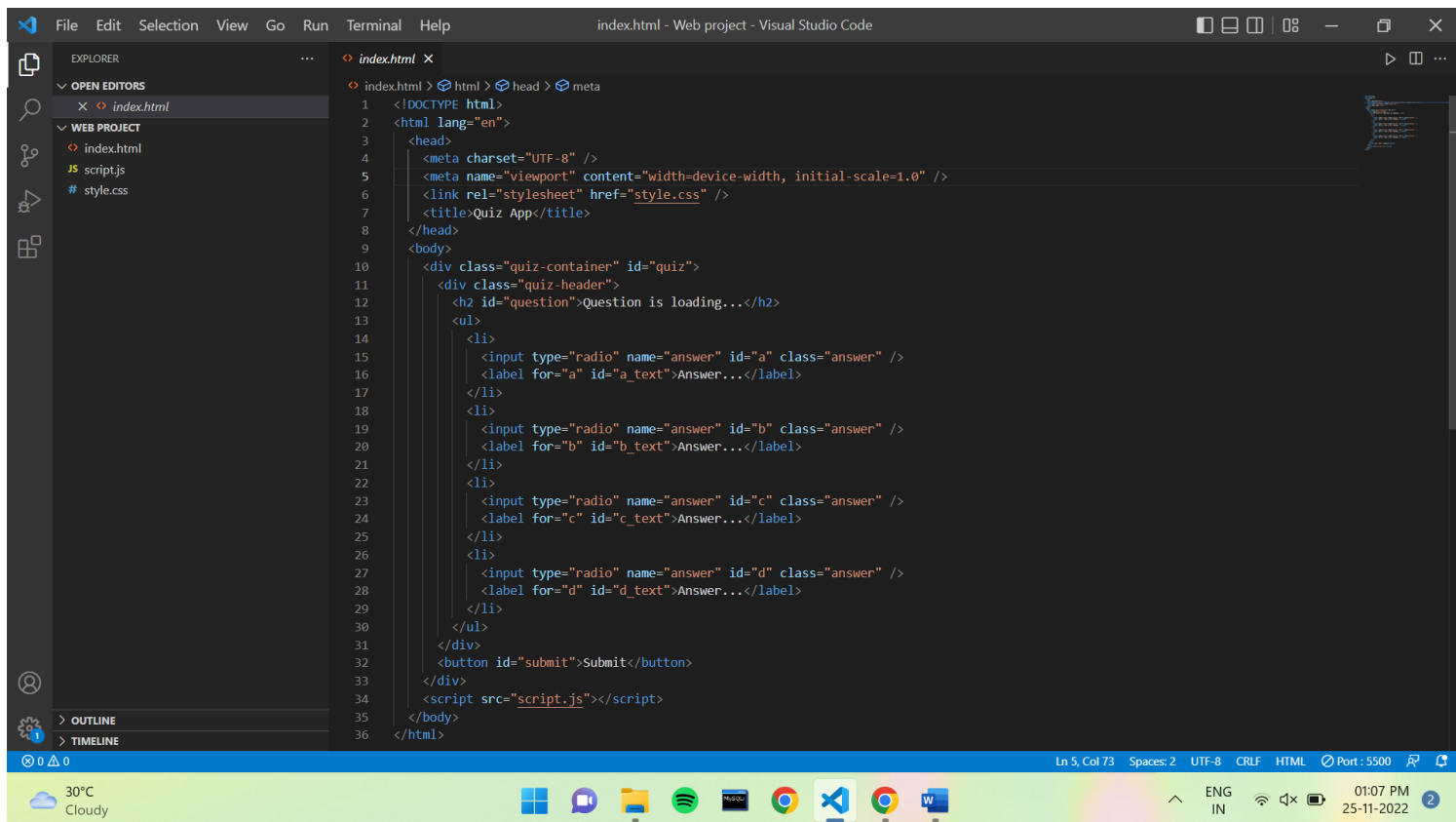
The main requirement of application is to find questions and answers. In this application firstly the user needs to register or login using user-id and password. Then the user can choose any of the quiz of his/her choice. Before starting the quiz there is a instruction window in which there are instruction related to attempt the quiz. After it user can start attaining the quiz. Here user can see his/her answers are right or wrong and can also see the answer of each. If there is any query related to it user can ask it. After completion of the quiz user will get credit score for each of its correct answers. Initially the questions are given by the admin but after sometime the user itself can submit questions and its answers. After verification by the admin the questions are shown on the window. The query related to a question can we solved by admin as well as the users of this application. This application initially contains admit and some higher prior user which can submit question and answers. The user profile will contain its name, age, qualification, gender, mobile number, credit score, etc. This application will provide link to additional useful website for learning purpose.

Languages used: -

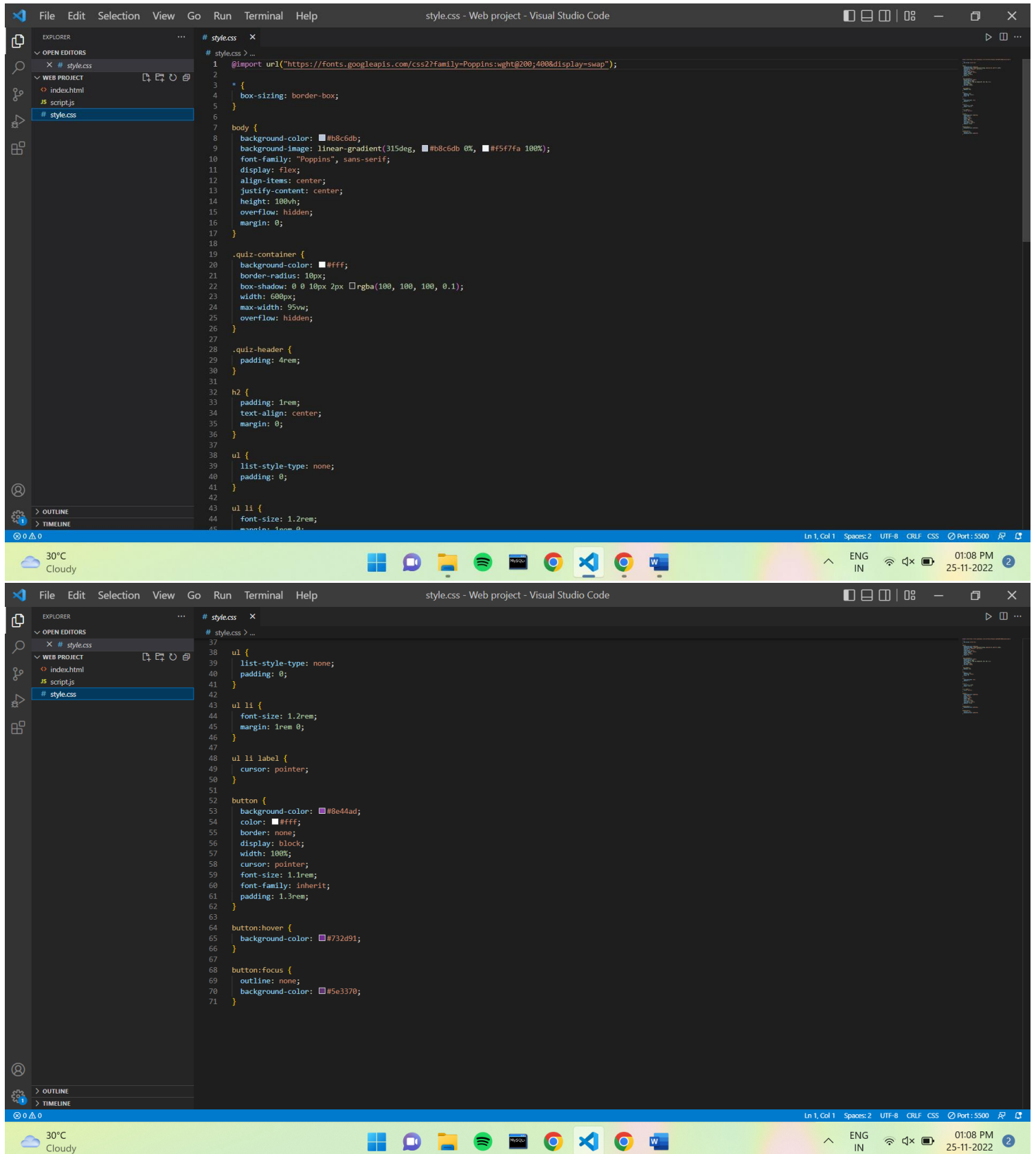
- HTML
- CSS
- JAVASCRIPT

CODES:

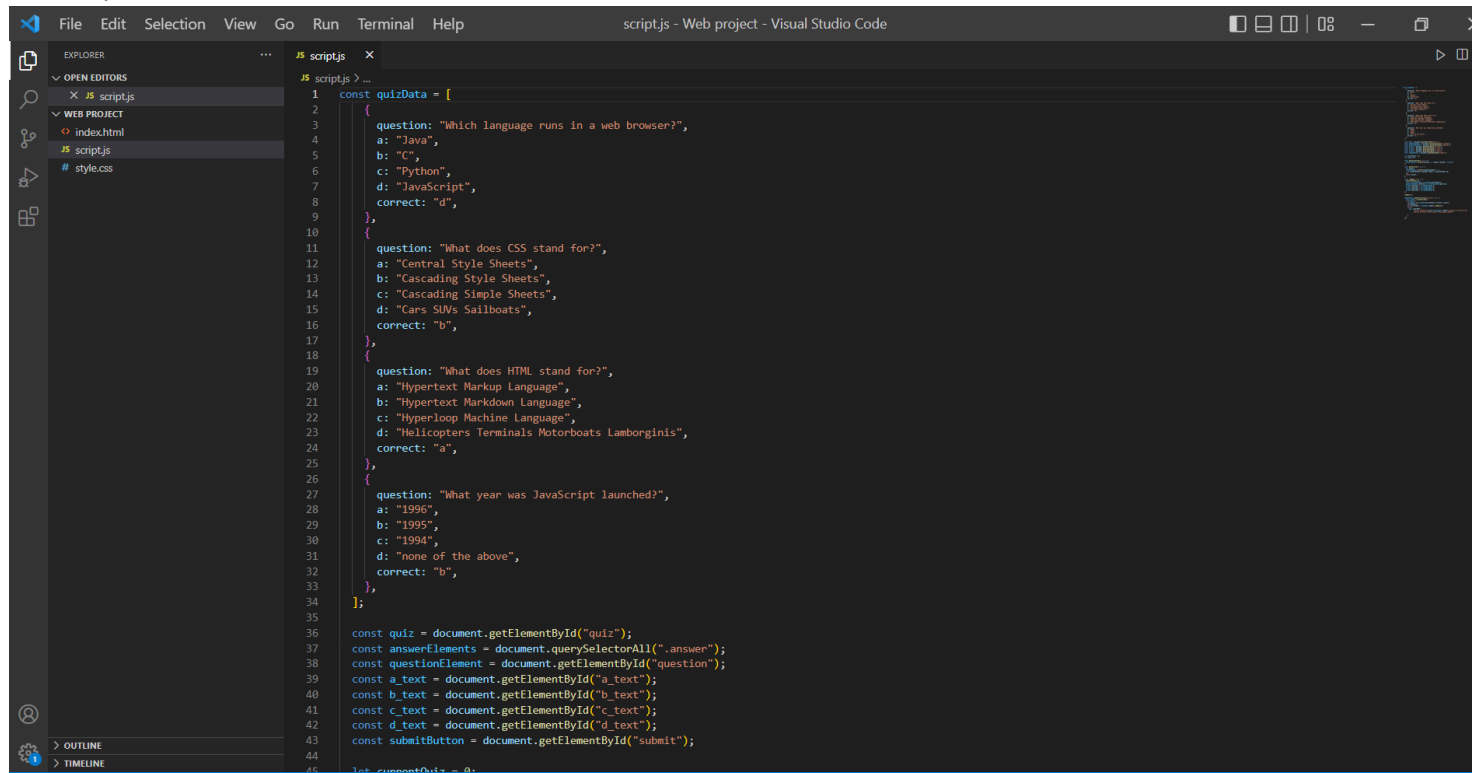
HTML



CSS:



JavaScript:



```
1  const quizData = [
2
3    {
4      question: "Which language runs in a web browser?",
5      a: "Java",
6      b: "C",
7      c: "Python",
8      d: "JavaScript",
9      correct: "d",
10    },
11    {
12      question: "What does CSS stand for?",
13      a: "Central Style Sheets",
14      b: "Cascading Style Sheets",
15      c: "Cascading Simple Sheets",
16      d: "Cars SIMe Sailboats",
17      correct: "b",
18    },
19    {
20      question: "What does HTML stand for?",
21      a: "Hypertext Markup Language",
22      b: "Hypertext Markdown Language",
23      c: "Hyperloop Machine Language",
24      d: "Helicopters Terminals Motorboats Lamborginis",
25      correct: "a",
26    },
27    {
28      question: "What year was JavaScript launched?",
29      a: "1996",
30      b: "1995",
31      c: "1994",
32      d: "none of the above",
33      correct: "b",
34    },
35  ];
36
37  const quiz = document.getElementById("quiz");
38  const answerElements = document.querySelectorAll(".answer");
39  const questionElement = document.getElementById("question");
40  const a_text = document.getElementById("a_text");
41  const b_text = document.getElementById("b_text");
42  const c_text = document.getElementById("c_text");
43  const d_text = document.getElementById("d_text");
44  const submitButton = document.getElementById("submit");
45
46  let currentQuiz = 0;
```

```
File Edit Selection View Go Run Terminal Help
script.js - Web project - Visual Studio Code

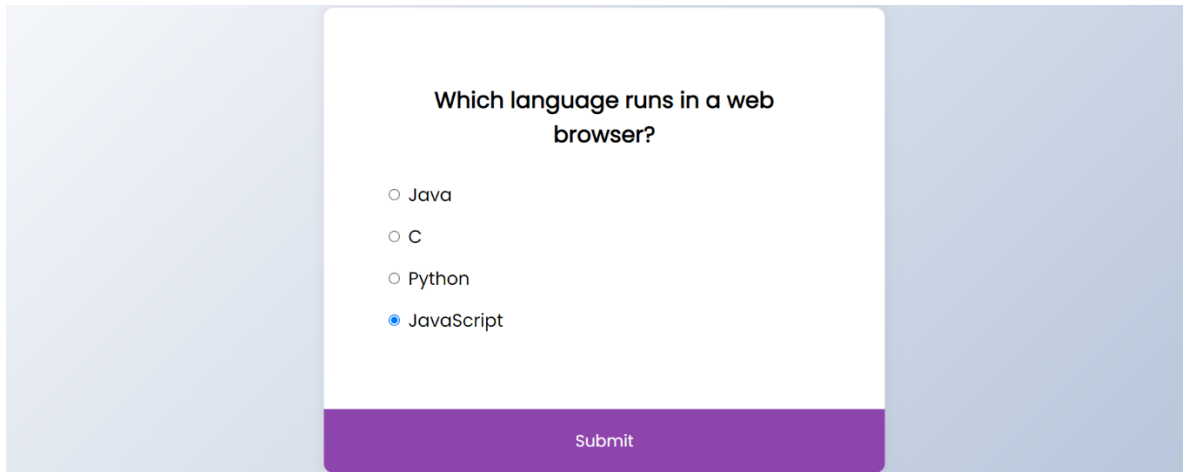
EXPLORER
  OPEN EDITORS
    X script.js
  WEB PROJECT
    index.html
    script.js
    style.css

script.js
34
35
36
37 const quiz = document.getElementById("quiz");
38 const answerElements = document.querySelectorAll(".answer");
39 const questionElement = document.getElementById("question");
40 const a_text = document.getElementById("a_text");
41 const b_text = document.getElementById("b_text");
42 const c_text = document.getElementById("c_text");
43 const d_text = document.getElementById("d_text");
44 const submitButton = document.getElementById("submit");
45
46 let currentQuiz = 0;
47 let score = 0;
48
49 const deselectAnswers = () => {
50   answerElements.forEach(answer => (answer.checked = false));
51 };
52
53 const getSelected = () => {
54   let answer;
55   answerElements.forEach(answerElement => {
56     if (answerElement.checked) answer = answerElement.id;
57   });
58   return answer;
59 };
60
61 const loadQuiz = () => {
62   deselectAnswers();
63   const currentQuizData = quizData[currentQuiz];
64   questionElement.innerText = currentQuizData.question;
65   a_text.innerText = currentQuizData.a;
66   b_text.innerText = currentQuizData.b;
67   c_text.innerText = currentQuizData.c;
68   d_text.innerText = currentQuizData.d;
69 };
70
71 loadQuiz();
72
73 submitButton.addEventListener("click", () => {
74   const answer = getSelected();
75   if (answer) {
76     if (answer === quizData[currentQuiz].correct) score++;
77     currentQuiz++;
78     if (currentQuiz < quizData.length) loadQuiz();
79   }
80 });
```

```
80
81     <h2>You answered ${score}/${quizData.length} questions correctly</h2>
82     <button onclick="history.go(0)">Play Again</button>
83   }
84 }
85 });
```

Snapshot of the project: -

1.

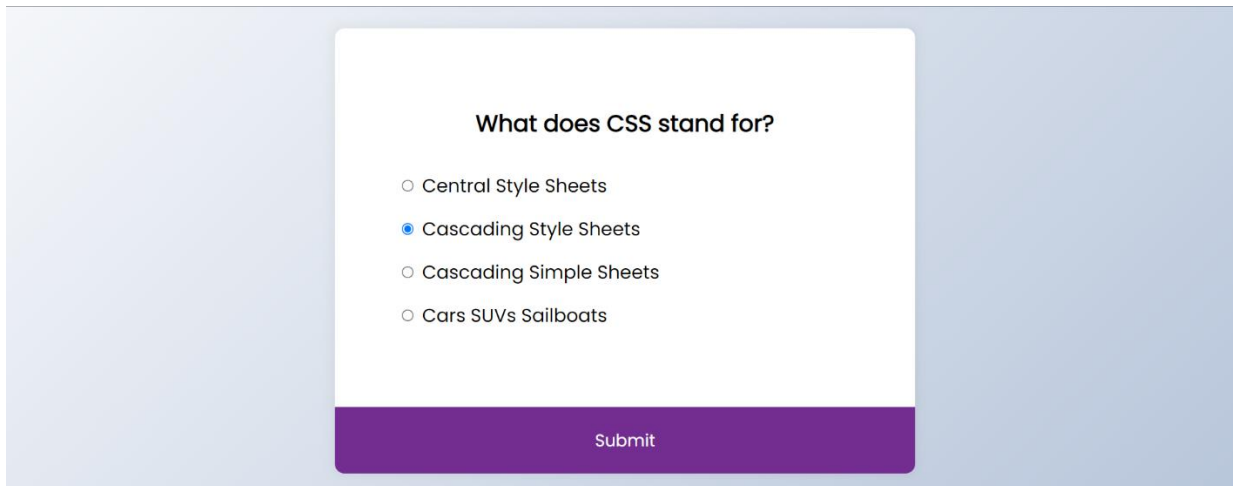


Which language runs in a web browser?

- ☐ Java
- ☐ C
- ☐ Python
- ☒ JavaScript

Submit

2.

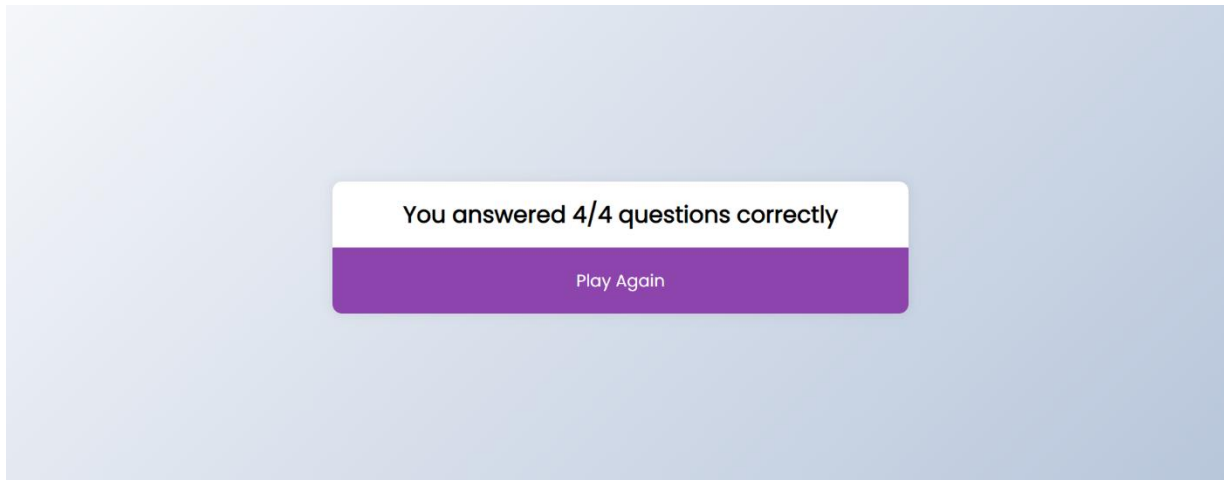


What does CSS stand for?

- ☐ Central Style Sheets
- ☒ Cascading Style Sheets
- ☐ Cascading Simple Sheets
- ☐ Cars SUVs Sailboats

Submit

3.



CONCLUSION: -

This online quiz application provides facility to play quiz anywhere and anytime. It saves time since user does not need to wait for result. So, student/user cannot wait for the result. All Student/ user get extra knowledge and skills. Administrator has a privilege to put as much as question in any category given in application. User can register, log-in, and give the test with his/her specific id, and can see the results as well.

REFERENCES: -

- <https://www.W3schools.com>
- <https://stackoverflow.com>
- <https://www.quora.com>

- <https://www.draw.io>