

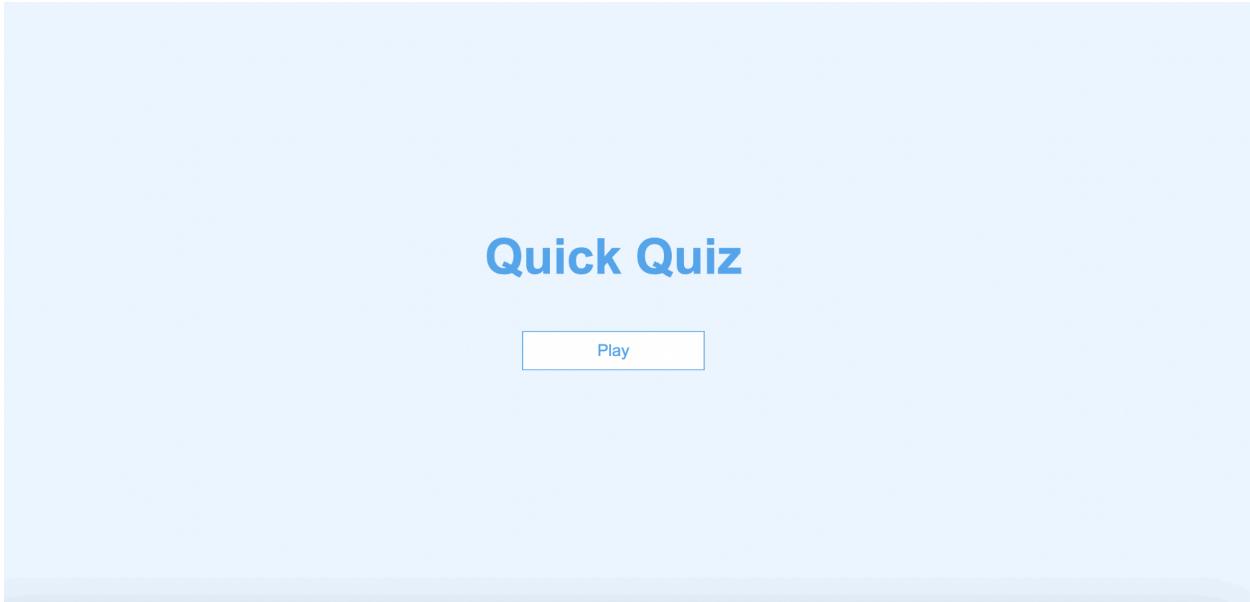
Assignment 1 -

Building a Quiz App using HTML, CSS and Javascript

Deadline - [21st May, 6pm]

Task 1: Create homepage and styling

Create the home page for your quiz application which looks similar to this:



The home page is currently only using HTML and CSS.

Hint: We have created one heading and one anchor tag [Play] which looks like a button.

On Clicking the Play btn we should be redirected to the game page which we will create in the next task.

Task 2: Create & Style game page

Create the basic template of your game page using HTML and CSS.

What is the answer to this questions?

A	Choice 1
B	Choice 2
C	Choice 3
D	Choice 4

Try to use **hover** to give this interesting effect to the choices.

[Try using the same hover effect on the home page button as well]

What is the answer to this questions?

A	Choice 1
B	Choice 2
C	Choice 3
D	Choice 4

In the next step we are gonna load all of our choices from an array of questions and then handle moving through questions

Task 3: Display Hard Coded Question and Answers

In this step we should be able to dynamically update our questions and pull them from an array.

- We should get all the questions in random order and questions should not be repeated.
- When someone clicks on any option to answer the next question should appear.
- Keep track of what option they have chosen so you can later check with the correct answer.
- Once all questions are answered redirect to the **end page[Next task]**

You can use these sample questions for your quiz:

```
let questions = [
  {
    question: 'Which HTML tag is used to define an inline style?',
    choice1: '<script>',
    choice2: '<css>',
    choice3: '<style>',
    choice4: '<span>',
    answer: 3,
  },
  {
    question: 'Which property is used to change the text color in CSS?',
    choice1: 'text-color',
    choice2: 'font-color',
    choice3: 'text-style',
    choice4: 'color',
    answer: 4,
  },
  {
    question: 'Which of the following is the correct way to comment in HTML?',
    choice1: '// Comment',
    choice2: '<!-- Comment -->',
    choice3: '/ * Comment */',
    choice4: '<! Comment>',
    answer: 2,
  },
];
```

Hint:

- We will be needing a js file for this.
- Try using splice to remove the questions from the array so that they do not get repeated.

Which of the following is the correct way to comment in HTML?

- A // Comment
- B <!-- Comment -->
- C /* Comment */
- D <! Comment>

Which HTML tag is used to define an inline style?

- A <script>
- B <css>
- C <style>
- D

In the next step we are gonna add animations for correctness when we answer our questions.

Task 4: Display Animations for Correct and Incorrect Answers

We want to change the color here of the answer choice to red or green and give pause between the questions.

- If the correct option is clicked it should display green color
- If the wrong option is selected then the option should be changed to red color
- Also give a delay to each question so the result [correct / incorrect] is visible and then move to the next question

Which property is used to change the text color in CSS?

A	text-color
B	font-color
C	text-style
D	color

Which of the following is the correct way to comment in HTML?

A	// Comment
B	<!-- Comment -->
C	/* Comment */
D	<! Comment>

Hint: Try using setTimeOut() for giving delay to each of the questions.

Task 5: Create a Head's Up display

Head's Up display refers to the information about your game that you want to display as you're playing.

For this game, we want to display :

- What number question are you on?
- What is the current score?

Question	
1/3	Score
	10

Which property is used to change the text color in CSS?

A	text-color
B	font-color
C	text-style
D	color

Question	
2/3	Score
	10

Which of the following is the correct way to comment in HTML?

A	// Comment
B	<!-- Comment -->
C	/* Comment */
D	<! Comment>

Question

3/3

Score

10

Which HTML tag is used to define an inline style?

- A <script>
- B <css>
- C <style>
- D

Task 6: Create a Progress Bar

Question 1/3



Score

0

Which HTML tag is used to define an inline style?

- A <script>
- B <css>
- C <style>
- D

Question 2/3



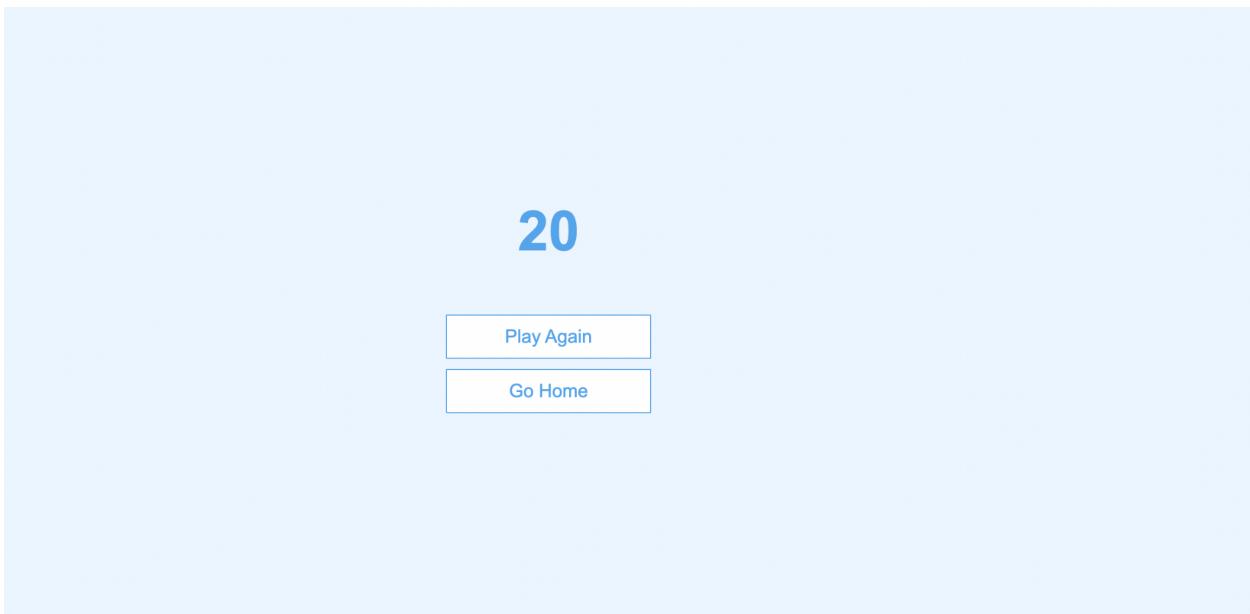
Score

10

Which of the following is the correct way to comment in HTML?

- A // Comment
- B <!-- Comment -->
- C /* Comment */
- D <! Comment>

Task 7: Create and Style the End Page



The End Screen should display your game score and also contains two buttons one to restart the game and the other one to take you to the home page.

Demo- [Assignment 1.mov](#)

Instructions for Submission

[You are required to submit a git repo link for this assignment]

To submit your code from VS Code to a GitHub repository, follow these steps:

Prerequisites:

1. **Install Git:** Make sure you have Git installed on your computer. You can download it from the Git website.
2. **Create a GitHub account:** If you don't have one already, sign up at GitHub.
3. **Create a GitHub repository:** Create a new repository on GitHub where you'll submit your code.

Steps

1. **Open VS Code:** Launch Visual Studio Code.
2. **Open your project:** Open the project folder you want to submit to GitHub.
3. **Initialize Git:** If your project is not already a Git repository, initialize it:
 - Open the terminal in VS Code
(you can open it from the top menu: Terminal → New Terminal).
 - Run the following command to initialize a Git repository: `git init`
4. **Stage your files:** Add your project files to the staging area:
 - In the terminal, run: `git add .`
5. **Commit your changes:** Commit your staged changes with a message:
 - Run the following command in the terminal: `git commit -m "Initial commit"`
6. **Add the remote repository:** Link your local repository to the GitHub repository you created:
 - Copy the repository URL from GitHub. It should look something like
<https://github.com/yourusername/your-repository.git>
 - In the terminal, run:
`git remote add origin https://github.com/yourusername/your-repository.git`
7. **Push your changes:** Push your commits to the GitHub repository:
 - Run the following command in the terminal: `git push -u origin master`
 - If your repository uses a different default branch name (like `main` instead of `master`), use that branch name instead: `git push -u origin main`

Using VS Code Git Integration (Optional)

VS Code has built-in Git integration that you can use instead of the terminal commands:

1. Initialize Git repository: If not already initialized, go to the Source Control view by clicking the Source Control icon in the Activity Bar on the side of the window, and click 'Initialize Repository'.
2. Stage changes: In the Source Control view, click the '+' icon next to the files you want to stage, or click 'Stage All Changes'.
3. Commit changes: Enter your commit message in the message box at the top, then click the checkmark icon to commit the changes.
4. Add remote repository: Open the Command Palette ('Ctrl+Shift+P' or 'Cmd+Shift+P' on Mac), then type 'Git: Add Remote' and press Enter. Enter the name 'origin' and paste the GitHub repository URL.
5. Push changes: Click the '...' (ellipsis) menu in the Source Control view, then select 'Push'.

By following these steps, your code will be submitted to your GitHub repository.

Please submit your repository link to this typeform :

<https://interviewbit.typeform.com/to/VvMy6dGK>

And in your assignment on your dashboard just type

“Github Link” and press submit.