

Week 1
Mini project : Simple JavaScript Quiz App

Program:

```
<!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="style.css">
</head>

<body>
  <div class="panel">
    <h1>JavaScript Quiz</h1>
    <div class="question" id="ques"></div>
    <div class="options" id="opt"></div>
    <button onclick="checkAns()" id="btn">SUBMIT</button>
    <div id="score"></div>
    <script src="script.js"></script>
  </div>

</body>

</html>
<style>body {
  background-color: rgb(43, 168, 168);
}

.panel {
  margin-top: 6%;
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  color: rgb(15, 16, 15);
}
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}

.question {
  font-size: 30px;
  margin-bottom: 20px;
}

.options {
  font-size: 20px;
  display: grid;
  grid-template-columns: repeat(2, 1fr);
  grid-gap: 20px;
  margin-top: 10px;
  margin-bottom: 20px;
  position: fixed;
  top: 40%;
  left: 40%;
}

button {
  margin-right: 75px;
  margin-top: 18%;
  font-size: 20px;
  padding: 10px 20px;
  background-color: #c24f4f;
  color: white;
  border: none;
  cursor: pointer;
}

#score {
  font-size: 30px;
  color: rgb(167, 75, 136);
}
</style>
<script>
const Questions = [{
  q: "Javascript is an _____ language?",
  a: [{ text: "procedural", isCorrect: false },
    { text: "object-based", isCorrect: false },
    { text: "object-oriented", isCorrect: true },
    { text: "none of the above", isCorrect: false }
  ]
}]

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},
{
  q: "Which of the following keywords is used to define a variable in Javascript?",
  a: [{ text: "var", isCorrect: false, isSelected: false },
    { text: "let", isCorrect: false },
    { text: "none of the above", isCorrect: false },
    { text: "both a and b", isCorrect: true }
  ]
},
{
  q: "How can a datatype be declared to be a constant type?",
  a: [{ text: "var", isCorrect: false, isSelected: false },
    { text: "let", isCorrect: false },
    { text: "const", isCorrect: true },
    { text: "constant", isCorrect: false }
  ]
},
{
  q: "What keyword is used to check whether a given property is valid or not?",
  a: [{ text: "is in", isCorrect: false, isSelected: false },
    { text: "exists", isCorrect: false },
    { text: "lies", isCorrect: false },
    { text: "in ", isCorrect: true }
  ]
},
{
  q: "Which of the following are closures in Javascript?",
  a: [{ text: "variables", isCorrect: false, isSelected: false },
    { text: " functions ", isCorrect: false },
    { text: "objects", isCorrect: false },
    { text: "all of the above", isCorrect: true }
  ]
},
{
  q: "How to stop an interval timer in Javascript?",
  a: [{ text: "clearTimer", isCorrect: false },
```

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    { text: "intervalOver", isCorrect: false },
    { text: "clearInterval", isCorrect: true },
    { text: "none of the above", isCorrect: false }
  ]
}

]

let currQuestion = 0
let score = 0

function loadQues() {
  const question = document.getElementById("ques")
  const opt = document.getElementById("opt")

  question.textContent = Questions[currQuestion].q;
  opt.innerHTML = ""

  for (let i = 0; i < Questions[currQuestion].a.length; i++) {
    const choicesdiv = document.createElement("div");
    const choice = document.createElement("input");
    const choiceLabel = document.createElement("label");

    choice.type = "radio";
    choice.name = "answer";
    choice.value = i;

    choiceLabel.textContent = Questions[currQuestion].a[i].text;

    choicesdiv.appendChild(choice);
    choicesdiv.appendChild(choiceLabel);
    opt.appendChild(choicesdiv);
  }
}

loadQues();

function loadScore() {
  const totalScore = document.getElementById("score")
  totalScore.textContent = `You scored ${score} out of
${Questions.length}`
}

```

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function nextQuestion() {
    if (currQuestion < Questions.length - 1) {
        currQuestion++;
        loadQues();
    } else {
        document.getElementById("opt").remove()
        document.getElementById("ques").remove()
        document.getElementById("btn").remove()
        loadScore();
    }
}

function checkAns() {
    const selectedAns =
parseInt(document.querySelector('input[name="answer"]:checked').value);

    if (Questions[currQuestion].a[selectedAns].isCorrect) {
        score++;
        console.log("Correct")
        nextQuestion();
    } else {
        nextQuestion();
    }
}
</script>
```