* ROLL NO :717821F147
* NAME :SANTHOSH K
* DEPT :IT – ‘A’

JAVA SCRIPT MINIPROJECTS

HTML :

<!DOCTYPE html>

<html lang="en">

  <head>

    <title>Quiz Web</title>

    <link rel="stylesheet" href="style.css" />

  </head>

  <body>

    <div class="app">

      <h1>JS Quiz</h1>

      <div class="quiz">

        <h2 id="question">Questions...</h2>

        <div id="answer-buttons">

          <button class="btn">Answer 1</button>

          <button class="btn">Answer 2</button>

          <button class="btn">Answer 3</button>

          <button class="btn">Answer 4</button>

        </div>

        <button id="next-btn">NEXT</button>

      </div>

    </div>

    <script src="script.js"></script>

  </body>

</html>

CSS :

\* {

  margin: 0;

  padding: 0;

  font-family: "Times New Roman", Times, serif;

  box-sizing: border-box;

}

body {

  background: rgb(224, 61, 230);

}

.app {

  background: white;

  width: 90%;

  max-width: 700px;

  margin: 100px auto 0;

  border-radius: 10px;

  padding: 30px;

}

.app h1 {

  font-size: 25px;

  color: darkred;

  font-weight: 600;

  border-bottom: 1px solid #d41e1e;

  padding-bottom: 30px;

}

.quiz {

  padding: 20px 0;

}

.quiz h2 {

  font-size: 20px;

  color: blueviolet;

  font-weight: 600;

}

.btn {

  background: skyblue;

  color: black;

  font-weight: 600;

  width: 100%;

  border: 1px solid #222;

  padding: 10px;

  margin: 12px 0;

  text-align: left;

  border-radius: 20px;

  cursor: pointer;

  transition: all 0.3s;

}

.btn:hover:not([disabled]) {

  background: rgb(99, 216, 3);

  color: white;

}

.btn:disabled {

  cursor: no-drop;

}

#next-btn {

  font-weight: 500;

  width: 150px;

  border: 0;

  padding: 10px;

  margin: 20px auto 0;

  border-radius: 4px;

  cursor: pointer;

  display: none;

}

.correct {

  background-color: greenyellow;

}

.incorrect {

  background-color: #d41e1e;

}

JAVASCRIPT:

const questions = [

  {

    question: "Inside which HTML element do we put the JavaScript?",

    answers: [

      { text: " < javascript > ", correct: false },

      { text: "< js >", correct: false },

      { text: "< script >", correct: true },

      { text: "< scripting >", correct: false },

    ],

  },

  {

    question: "Where is the correct place to insert a JavaScript?",

    answers: [

      { text: "< body >", correct: true },

      { text: "< head >", correct: false },

      { text: "< header >", correct: false },

      { text: "< table >", correct: false },

    ],

  },

  {

    question:

      "What is the correct syntax for referring to an external script called xxx.js?",

    answers: [

      { text: "< script name=xxx.js><script name=xxx.js >", correct: false },

      { text: "< script id=xxx.js >", correct: false },

      { text: "< script src=>xxx.js >", correct: false },

      { text: "< script href=xxx.js>4 >", correct: true },

    ],

  },

  {

    question: "How do you call a function named myFunction?",

    answers: [

      { text: "call myFunction()", correct: false },

      { text: "myFunction()", correct: true },

      { text: "call function myFunction()", correct: false },

      { text: "function()", correct: false },

    ],

  },

  {

    question: "How to write an IF statement in JavaScript?",

    answers: [

      { text: "if i=5", correct: false },

      { text: "if i == 5 then", correct: false },

      { text: "if i = 5 then", correct: false },

      { text: "if(i == 5)", correct: true },

    ],

  },

];

const questionElement = document.getElementById("question");

const answerButtons = document.getElementById("answer-buttons");

const nextButton = document.getElementById("next-btn");

let currentQuestionIndex = 0;

let score = 0;

//set question index

function startQuiz() {

  currentQuestionIndex = 0;

  score = 0;

  nextButton.innerHTML = "Next";

  showQuestion();

}

function showQuestion() {

  //display question

  resetState();

  let currentQuestion = questions[currentQuestionIndex];

  let questionNo = currentQuestionIndex + 1;

  questionElement.innerHTML = questionNo + ". " + currentQuestion.question;

  //display answer

  currentQuestion.answers.forEach((answer) => {

    const button = document.createElement("button");

    button.innerHTML = answer.text;

    button.classList.add("btn");

    answerButtons.appendChild(button);

    if (answer.correct) {

      button.dataset.correct = answer.correct;

    }

    button.addEventListener("click", selectAnswer);

  });

}

function resetState() {

  nextButton.style.display = "none";

  while (answerButtons.firstChild) {

    answerButtons.removeChild(answerButtons.firstChild);

  }

}

function selectAnswer(e) {

  const selectBtn = e.target;

  const isCorrect = selectBtn.dataset.correct === "true";

  if (isCorrect) {

    selectBtn.classList.add("correct");

    score++;

  } else {

    selectBtn.classList.add("incorrect");

}

  Array.from(answerButtons.children).forEach((button) => {

    if (button.dataset.correct == "true") {

      button.classList.add("correct");

    }

    button.disabled = "true";

  });

  nextButton.style.display = "block";

}

function showScore() {

  resetState();

  questionElement.innerHTML = `you scored ${score} out of ${questions.length}!`;

  nextButton.innerHTML = "play Again";

  nextButton.style.display = "block";

}

function handleNextButton() {

  currentQuestionIndex++;

  if (currentQuestionIndex < questions.length) {

    showQuestion();

  } else {

    showScore();

  }

}

nextButton.addEventListener("click", () => {

  if (currentQuestionIndex < questions.length) {

    handleNextButton();

  } else {

    startQuiz();

  }

});

startQuiz();

SCREEN SHOTS:







