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f//global variable

// create an empty array
const QuestionArray = [];
score = 0;

//=====
// RETRIEVE THE DATA FROM THE JSON FILE AND STORE IT INTO AN ARRAY OF OBJECTS
fetch("Phase4QuizQuestion.json")
  .then(response => response.json())
  .then(data => {
// The purpose is to retrieve the objects from JSON object, then ...
// add the objects in the JSON object into an array of objects

//determine the number of object in the array / number of question
const LengthArray = data.questions.length

// Loop through the JSON object
for (let i = 0; i < LengthArray; i++){

  //Add a new element into the array
  QuestionArray.push (data.questions[i]);

  // Test the output in console
  //console.log(QuestionArray[i]);
  //console.log("The " + i + " object = " + data.questions[i]);

}

  // call the display function
  displayAnswer();

})
.catch(error => console.log(error));

//=====
// FUNCTION TO DISPLAY THE ANSWER
function displayAnswer(){
  for (let i = 0; i < QuestionArray.length; i++){

    let QuestionNumber = `#${i+1}`;
    let QuestionSentence= QuestionArray[i].question;
    let QuestionAnswer= QuestionArray[i].correctAnswer;

```

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//Test the output
console.log(`The QuestionNumber is: ` + QuestionNumber);
console.log(`The QuestionSetence is: ` + QuestionSentence);
console.log(`The QuestionAnswer is: ` + QuestionAnswer);

const quizDiv = document.getElementById("answer");

// create the "Question number" label and append it
const LabelQuestionNumber = document.createElement("label");
LabelQuestionNumber.textContent = `Question Number:` + QuestionNumber;
quizDiv.appendChild(LabelQuestionNumber);
quizDiv.appendChild(document.createElement("br")); // Add line break

// create the "Question Sentence" label and append it
const LabelQuestionSentence = document.createElement("label");
LabelQuestionSentence.textContent = `QUESTION : ` + QuestionSentence;
quizDiv.appendChild(LabelQuestionSentence);
quizDiv.appendChild(document.createElement("br")); // Add line break

// create the "Question Answer" label and append it
const LabelQuestionAnswer = document.createElement("label");
LabelQuestionAnswer.textContent = `ANSWER : ` + QuestionAnswer;
quizDiv.appendChild(LabelQuestionAnswer);
quizDiv.appendChild(document.createElement("br")); // Add line break
quizDiv.appendChild(document.createElement("br")); // Add line break
quizDiv.appendChild(document.createElement("br")); // Add line break

}
}

```