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#TASK3:
#CODSOFT :OnlineQuizeMaker

<!doctype html>
<html lang="en">

<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">

  <!-- CSS -->
  <link rel="stylesheet" href="styles.css">

  <title>Quiz App using JavaScript - @code.scientist x @codingtorque</title>
</head>

<body>
  <!-- Further code here -->
  <div class="start-screen">
    <button id="start-button">Welcome to Quize solver</button>
  </div>
  <div id="display-container">
    <div class="header">
      <div class="number-of-count">
        <span class="number-of-question">1 of 3 questions</span>
      </div>
      <div class="timer-div">
        
        <span class="time-left">10s</span>
      </div>
    </div>
    <div id="container">
      <!-- questions and options will be displayed here -->
    </div>
    <button id="next-button">Next</button>
  </div>
  <div class="score-container hide">
    <div id="user-score">Demo Score</div>
    <button id="restart">Restart</button>
  </div>
* {

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padding: 0;
margin: 0;
box-sizing: border-box;
font-family: "Poppins", sans-serif;
}
body {
  height: 100vh;
  background: linear-gradient(184deg,#8754ff,#8E2DE2);
}
.start-screen,
.score-container {
  position: absolute;
  top: 0;
  width: 100%;
  height: 100%;
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
}
button {
  border: none;
  outline: none;
  cursor: pointer;
}
#start-button,
#restart {
  font-size: 1.3em;
  padding: 0.5em 1.8em;
  border-radius: 0.2em;
  box-shadow: 0 20px 30px rgba(0, 0, 0, 0.4);
}
#restart {
  margin-top: 0.9em;
}
#display-container {
  background-color: #ffffff;
  padding: 3.1em 1.8em;
  width: 80%;
  max-width: 37.5em;
  margin: 0 auto;
  position: absolute;
  transform: translate(-50%, -50%);
  top: 50%;
  left: 50%;
}
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    border-radius: 0.6em;
}
.header {
  margin-bottom: 1.8em;
  display: flex;
  justify-content: space-between;
  align-items: center;
  padding-bottom: 0.6em;
  border-bottom: 0.1em solid #c0bfd2;
}
.timer-div {
  background-color: #e1f5fe;
  width: 7.5em;
  border-radius: 1.8em;
  display: flex;
  align-items: center;
  justify-content: space-between;
  padding: 0.7em 1.8em;
}
.question {
  margin-bottom: 1.25em;
  font-weight: 600;
}
.option-div {
  font-size: 0.9em;
  width: 100%;
  padding: 1em;
  margin: 0.3em 0;
  text-align: left;
  outline: none;
  background: transparent;
  border: 1px solid #c0bfd2;
  border-radius: 0.3em;
}
.option-div:disabled {
  color: #000000;
  cursor: not-allowed;
}
#next-button {
  font-size: 1em;
  margin-top: 1.5em;
  background-color: #8754ff;
  color: #ffffff;
  padding: 0.7em 1.8em;
  border-radius: 0.3em;
}
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    float: right;
    box-shadow: 0px 20px 40px rgba(0, 0, 0, 0.3);
}
.hide {
    display: none;
}
.incorrect {
    background-color: #ffdde0;
    color: #d32f2f;
    border-color: #d32f2f;
}
.correct {
    background-color: #e7f6d5;
    color: #689f38;
    border-color: #689f38;
}
#user-score {
    font-size: 1.5em;
    color: #ffffff;
}

    <script src="script.js"></script>
</body>

</html>
//References
let timeLeft = document.querySelector(".time-left");
let quizContainer = document.getElementById("container");
let nextBtn = document.getElementById("next-button");
let countOfQuestion = document.querySelector(".number-of-question");
let displayContainer = document.getElementById("display-container");
let scoreContainer = document.querySelector(".score-container");
let restart = document.getElementById("restart");
let userScore = document.getElementById("user-score");
let startScreen = document.querySelector(".start-screen");
let startButton = document.getElementById("start-button");
let questionCount;
let scoreCount = 0;
let count = 11;
let countdown;

//Questions and Options array

const quizArray = [
    {

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        id: "1",
        question: "Which is the most widely spoken language in the world?",
        options: ["Spanish", "Mandarin", "English", "German"],
        correct: "Mandarin",
    },
    {
        id: "2",
        question: "Which is the only continent in the world without a
desert?",
        options: ["North America", "Asia", "Africa", "Europe"],
        correct: "Europe",
    },
    {
        id: "3",
        question: "Who invented Computer?",
        options: ["Charles Babbage", "Henry Luce", "Henry Babbage", "Charles
Luce"],
        correct: "Charles Babbage",
    },
    {
        id: "4",
        question: "What do you call a computer on a network that requests
files from another computer?",
        options: ["A client", "A host", "A router", "A web server"],
        correct: "A client",
    },
    {
        id: "5",
        question: "Which of the following is not a valid domain name?",
        options: ["www.yahoo.com", "www.yahoo.co.uk", "www.com.yahoo",
"www.yahoo.co.in"],
        correct: "www.com.yahoo",
    },
    },
];

//Restart Quiz
restart.addEventListener("click", () => {
    initial();
    displayContainer.classList.remove("hide");
    scoreContainer.classList.add("hide");
});

//Next Button
nextBtn.addEventListener(

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"click",
(displayNext = () => {
  //increment questionCount
  questionCount += 1;
  //if last question
  if (questionCount == quizArray.length) {
    //hide question container and display score
    displayContainer.classList.add("hide");
    scoreContainer.classList.remove("hide");
    //user score
    userScore.innerHTML =
      "Your score is " + scoreCount + " out of " + questionCount;
  } else {
    //display questionCount
    countOfQuestion.innerHTML =
      questionCount + 1 + " of " + quizArray.length + " Question";
    //display quiz
    quizDisplay(questionCount);
    count = 11;
    clearInterval(countdown);
    timerDisplay();
  }
})
);

//Timer
const timerDisplay = () => {
  countdown = setInterval(() => {
    count--;
    timeLeft.innerHTML = `${count}s`;
    if (count == 0) {
      clearInterval(countdown);
      displayNext();
    }
  }, 1000);
};

//Display quiz
const quizDisplay = (questionCount) => {
  let quizCards = document.querySelectorAll(".container-mid");
  //Hide other cards
  quizCards.forEach((card) => {
    card.classList.add("hide");
  });
  //display current question card

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    quizCards[questionCount].classList.remove("hide");
};

//Quiz Creation
function quizCreator() {
    //randomly sort questions
    quizArray.sort(() => Math.random() - 0.5);
    //generate quiz
    for (let i of quizArray) {
        //randomly sort options
        i.options.sort(() => Math.random() - 0.5);
        //quiz card creation
        let div = document.createElement("div");
        div.classList.add("container-mid", "hide");
        //question number
        countOfQuestion.innerHTML = 1 + " of " + quizArray.length + "
Question";
        //question
        let question_DIV = document.createElement("p");
        question_DIV.classList.add("question");
        question_DIV.innerHTML = i.question;
        div.appendChild(question_DIV);
        //options
        div.innerHTML += `
        <button class="option-div"
onclick="checker(this)">${i.options[0]}</button>
        <button class="option-div"
onclick="checker(this)">${i.options[1]}</button>
        <button class="option-div"
onclick="checker(this)">${i.options[2]}</button>
        <button class="option-div"
onclick="checker(this)">${i.options[3]}</button>
        `;
        quizContainer.appendChild(div);
    }
}

//Checker Function to check if option is correct or not
function checker(userOption) {
    let userSolution = userOption.innerText;
    let question =
        document.getElementsByClassName("container-mid")[questionCount];
    let options = question.querySelectorAll(".option-div");

    //if user clicked answer == correct option stored in object

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    if (userSolution === quizArray[questionCount].correct) {
        userOption.classList.add("correct");
        scoreCount++;
    } else {
        userOption.classList.add("incorrect");
        //For marking the correct option
        options.forEach((element) => {
            if (element.innerText === quizArray[questionCount].correct) {
                element.classList.add("correct");
            }
        });
    }
}

//clear interval(stop timer)
clearInterval(countdown);
//disable all options
options.forEach((element) => {
    element.disabled = true;
});
}

//initial setup
function initial() {
    quizContainer.innerHTML = "";
    questionCount = 0;
    scoreCount = 0;
    count = 11;
    clearInterval(countdown);
    timerDisplay();
    quizCreator();
    quizDisplay(questionCount);
}

//when user click on start button
startButton.addEventListener("click", () => {
    startScreen.classList.add("hide");
    displayContainer.classList.remove("hide");
    initial();
});

//hide quiz and display start screen
window.onload = () => {
    startScreen.classList.remove("hide");
    displayContainer.classList.add("hide");
};

```


