<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Quiz App</title>

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

</head>

<body>

    <div class="app">

        <div class="quiz-app">

            <h2>Quiz App</h2>

        </div>

        <div class="quiz">

            <h4 id="question">Question goes here</h4>

            <div id="answer-buttons">

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

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

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

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

            </div>

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

        </div>

    </div>

    <script src="/Quiz\_App/index.js"></script>

</body>

</html>

\*{

    margin: 0;

    padding: 0;

    box-sizing: border-box;

    font-family: 'Poppins', sans-serif;

}

.app{

    width: 90%;

    max-width: 600px;

    margin: 50px auto 0;

    border: 2px solid rgb(167, 164, 164);

    padding: 20px;

}

.quiz-app{

    padding: 10px;

    background-color: #333;

    color: #fff;

    text-align: center;

}

.quiz{

    padding: 20px 0;

}

.quiz h4{

    margin: 0 0 10px;

}

.btn{

    font-weight: 500;

    width: 100%;

    border: 1px solid rgb(212, 193, 193);

    padding: 10px;

    margin: 5px 0;

    text-align: left;

    cursor: pointer;

    color: black;

    background-color: transparent;

}

#next-btn{

    font-weight: 500;

    width: 100px;

    padding: 10px;

    margin: 20px auto 0;

    cursor: pointer;

    display: block;

    background-color: black;

    color: #fff;

}

.correct{

    background: rgb(156, 241, 156);

}

.incorrect{

    background: rgb(255, 142, 142);

}

const questions = [

    {

        question: "What is 2 + 2?",

        answers: [

            { text: "3", correct: false },

            { text: "4", correct: true },

            { text: "5", correct: false },

            { text: "6", correct: false },

        ]

    },

    {

        question: "What is the capital of Italy?",

        answers: [

            { text: "Madrid", correct: false },

            { text: "Paris", correct: false },

            { text: "Rome", correct: true },

            { text: "Berlin", correct: false },

        ]

    },

    {

        question: "Which planet is closest to the Sun?",

        answers: [

            { text: "Mars", correct: false },

            { text: "Jupiter", correct: false },

            { text: "Venus", correct: true },

            { text: "Saturn", correct: false },

        ]

    },

    {

        question: "What is the largest mammal in the world?",

        answers: [

            { text: "Elephant", correct: false },

            { text: "Girafee", correct: false },

            { text: "Blue Whale", correct: true },

            { text: "Lion", correct: false },

        ]

    },

    {

        question: "What is the chemical symbol for gold?",

        answers: [

            { text: "Au", correct: true },

            { text: "Ag", correct: false },

            { text: "Hg", correct: false },

            { text: "Pb", correct: false },

        ]

    },

    {

        question: "Which gas do plants absorb from the atmosphere?",

        answers: [

            { text: "Oxygen", correct: false },

            { text: "Carbon Dioxide", correct: true },

            { text: "Nitrogen", correct: false },

            { text: "Hydrogen", correct: false },

        ]

    },

    {

        question: "What is the currency of Japan?",

        answers: [

            { text: "Yen", correct: true },

            { text: "Dollar", correct: false },

            { text: "Euro", correct: false },

            { text: "Pound", correct: false },

        ]

    },

    {

        question: "Which country is known as the Land of the Rising Sun?",

        answers: [

            { text: "China", correct: false },

            { text: "Korea", correct: false },

            { text: "Japan", correct: true },

            { text: "Vietnam", correct: false },

        ]

    },

    {

        question: "What is the largest planet in our solar system?",

        answers: [

            { text: "Mars", correct: false },

            { text: "Jupiter", correct: true },

            { text: "Venus", correct: false },

            { text: "Saturn", correct: false },

        ]

    },

    {

        question: "What is the freezing point of water in Fahrenheit?",

        answers: [

            { text: "0°F", correct: false },

            { text: "32°F", correct: true },

            { text: "100°F", correct: false },

            { text: "212°F", correct: false },

        ]

    }

];

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

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

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

let currentQuestionIndex = 0;

let score = 0;

function startQuiz(){

    currentQuestionIndex = 0;

    score = 0;

    nextButton.innerHTML = "Next";

    showQuestion();

}

function showQuestion(){

    resetState();

    let currentQuestion = questions[currentQuestionIndex];

    let questionNo = currentQuestionIndex + 1;

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

    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 selectedBtn = *e*.target;

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

    if(isCorrect){

        selectedBtn.classList.add("correct");

        score++;

    }else{

        selectedBtn.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();