MyQuizApp

<HTML>

<!DOCTYPE html>

<html lang="ja">

<head>

    <meta charset="UTF-8">

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

    <title>MyQuizApp</title>

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

</head>

<body>

    <section class="container">

        <p id="question"></p>

        <ul id="choices"></ul>

        <div id="btn" class="disabled">Next</div>

        <section id="result" class="hidden">

            <p></p>

            <a href="">Replay?</a>

        </section>

    </section>

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

</body>

</html>

</ul>

<CSS>

"use strict";

{

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

    const choices = document.getElementById("choices");

    const btn = document.getElementById("btn");

    const result = document.getElementById("result");

    const scoreLabel = document.querySelector("#result > p")

    const quizSet = [{

            q: "what is a?",

            c: ["a0", "a1", "a2"]

        },

        {

            q: "what is b?",

            c: ["b0", "b1", "b2"]

        },

        {

            q: "what is c?",

            c: ["c0", "c1", "c2"]

        },

    ];

    let currentNum = 0;

    let isAnswered;

    let score = 0;

    function shuffle(arr) {

        for (let i = arr.length - 1; i > 0; i--) {

            const j = Math.floor(Math.random() \* (i + 1));

            [arr[j], arr[i]] = [arr[i], arr[j]];

        }

        return arr;

    }

    //正誤判定

    function checkAnswer(li) {

        if (isAnswered) {

            return;

        }

        isAnswered = true;

        if (li.textContent === quizSet[currentNum].c[0]) {

            li.classList.add("correct");

            score++;

        } else {

            // console.log("wrong");

            li.classList.add("wrong");

        }

        btn.classList.remove("disabled");

    }

    // クイズをランダムに表示

    function setQuiz() {

        isAnswered = false;

        question.textContent = quizSet[currentNum].q;

        while (choices.firstChild) {

            choices.removeChild(choices.firstChild);

        }

        const shuffledChoices = shuffle([...quizSet[currentNum].c]);

        // console.log(quizSet[currentNum].c);

        shuffledChoices.forEach(choice => {

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

            li.textContent = choice;

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

                checkAnswer(li);

            })

            choices.appendChild(li);

        });

        if (currentNum === quizSet.length - 1) {

            btn.textContent = "Show Score";

        }

    }

    setQuiz();

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

        if (btn.classList.contains("disabled")) {

            return;

        }

        btn.classList.add("disabled");

        if (currentNum === quizSet.length - 1) {

            // console.log(`Score:${score}/${quizSet.length}`);

            scoreLabel.textContent = `Score:${score}/${quizSet.length}`

            result.classList.remove("hidden");

        } else {

            currentNum++;

            setQuiz();

        }

    })

}

<JS>

"use strict";

{

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

    const choices = document.getElementById("choices");

    const btn = document.getElementById("btn");

    const result = document.getElementById("result");

    const scoreLabel = document.querySelector("#result > p")

    const quizSet = [{

            q: "what is a?",

            c: ["a0", "a1", "a2"]

        },

        {

            q: "what is b?",

            c: ["b0", "b1", "b2"]

        },

        {

            q: "what is c?",

            c: ["c0", "c1", "c2"]

        },

    ];

    let currentNum = 0;

    let isAnswered;

    let score = 0;

    function shuffle(arr) {

        for (let i = arr.length - 1; i > 0; i--) {

            const j = Math.floor(Math.random() \* (i + 1));

            [arr[j], arr[i]] = [arr[i], arr[j]];

        }

        return arr;

    }

    //正誤判定

    function checkAnswer(li) {

        if (isAnswered) {

            return;

        }

        isAnswered = true;

        if (li.textContent === quizSet[currentNum].c[0]) {

            li.classList.add("correct");

            score++;

        } else {

            // console.log("wrong");

            li.classList.add("wrong");

        }

        btn.classList.remove("disabled");

    }

    // クイズをランダムに表示

    function setQuiz() {

        isAnswered = false;

        question.textContent = quizSet[currentNum].q;

        while (choices.firstChild) {

            choices.removeChild(choices.firstChild);

        }

        const shuffledChoices = shuffle([...quizSet[currentNum].c]);

        // console.log(quizSet[currentNum].c);

        shuffledChoices.forEach(choice => {

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

            li.textContent = choice;

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

                checkAnswer(li);

            })

            choices.appendChild(li);

        });

        if (currentNum === quizSet.length - 1) {

            btn.textContent = "Show Score";

        }

    }

    setQuiz();

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

        if (btn.classList.contains("disabled")) {

            return;

        }

        btn.classList.add("disabled");

        if (currentNum === quizSet.length - 1) {

            // console.log(`Score:${score}/${quizSet.length}`);

            scoreLabel.textContent = `Score:${score}/${quizSet.length}`

            result.classList.remove("hidden");

        } else {

            currentNum++;

            setQuiz();

        }

    })

}