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**MINI PROJECT: SIMPLE JAVASCRIPT QUIZ APP**

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
    <meta charset="UTF-8">
```

```
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
```

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

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

```
</head>
```

```
<body>
```

```
    <div class="panel">
```

```
        <h1>JAVASCRIPT</h1>
```

```
        <div class="question" id="ques"></div>
```

```
        <div class="options" id="opt"></div>
```

```
        <button onclick="checkAns()" id="btn">SUBMIT</button>
```

```
        <div id="score"></div>
```

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

```
    </div>
```

```
</body>
```

```
</html>
```

```
<style>body {  
    background-color:LIME GREEN(0, 133, 250);  
}
```

```
.panel {  
    margin-top: 8%;  
    display: flex;  
    flex-direction: column;  
    align-items: center;  
    justify-content: center;  
    color:black;  
}
```

```
.question {  
    font-size: 30px;  
    margin-bottom: 20px;  
}
```

```
.options {
```

```
font-size: 20px;

display: grid;

grid-template-columns: repeat(2, 1fr);

grid-gap: 20px;

margin-top: 10px;

margin-bottom: 20px;

position: fixed;

top: 40%;

left: 40%;

}
```

```
button {

margin-right: 75px;

margin-top: 17%;

font-size: 20px;

padding: 10px 20px;

background-color: #d9dde0;

color: rgb(4, 0, 8);

border: none;

cursor: pointer;

}
```

```
#score {

font-size: 30px;

color: rgb(230, 224, 236);

}
```

```
}
```

```
</style>
```

```
<script>
```

```
const Questions = [{
```

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

```
  a: [{ text: "<JAVASCRIPT>", isCorrect: false },
```

```
    { text: "<SCRIPT>", isCorrect: true },
```

```
    { text: "<JS>", isCorrect: false },
```

```
    { text: "<SCRIPTING>", isCorrect: false }]
```

```
]
```

```
},
```

```
{
```

```
  q: "The external JavaScript file must contain the <script> tag?",
```

```
  a: [{ text: "FALSE", isCorrect: true},
```

```
    { text: "TRUE", isCorrect: false }]
```

```
]
```

```
},
```

```
{
```

```
  q: "How do you create a function in JavaScript?",
```

```
  a: [{ text: "function myFunction()", isCorrect: true },
```

```
    { text: "function:myFunction()", isCorrect: false },
```

```
    { text: "function=myFunction()", isCorrect: false },
```

```
]

},

{
  q: "How to write an IF statement in JavaScript?",
  a: [{ text: "if i==5 then", isCorrect: false},
    { text: "if(i==5)", isCorrect: true },
    { text: "if i=5", isCorrect: false },
    { text: "if i=5", isCorrect: false }
  ]
},

{
  q: "How does a WHILE loop start?",
  a: [{ text: "While(i <= 10)", isCorrect: true },
    { text: "While(i <= 10,i++)", isCorrect: false },
    { text: "While i=1 to 10", isCorrect: false },
  ]
},

]
```

```
let currQuestion = 0
```

```
let score = 0
```

```
function loadQues() {
```

```
    const question = document.getElementById("ques")
```

```
    const opt = document.getElementById("opt")
```

```
    question.textContent = Questions[currQuestion].q;
```

```
    opt.innerHTML = ""
```

```
    for (let i = 0; i < Questions[currQuestion].a.length; i++) {
```

```
        const choicesdiv = document.createElement("div");
```

```
        const choice = document.createElement("input");
```

```
        const choiceLabel = document.createElement("label");
```

```
        choice.type = "radio";
```

```
        choice.name = "answer";
```

```
        choice.value = i;
```

```
        choiceLabel.textContent = Questions[currQuestion].a[i].text;
```

```
        choicesdiv.appendChild(choice);
```

```
        choicesdiv.appendChild(choiceLabel);
```

```
        opt.appendChild(choicesdiv);
```

```
    }
```

```
}
```

```
loadQues();
```

```
function loadScore() {
```

```
    const totalScore = document.getElementById("score")
```

```
    totalScore.textContent = `You scored ${score} out of ${Questions.length}`
```

```
}
```

```
function nextQuestion() {
```

```
    if (currQuestion < Questions.length - 1) {
```

```
        currQuestion++;
```

```
        loadQues();
```

```
    } else {
```

```
        document.getElementById("opt").remove()
```

```
        document.getElementById("ques").remove()
```

```
        document.getElementById("btn").remove()
```

```
        loadScore();
```

```
    }
```

```
}
```

```
function checkAns() {
```

```
    const selectedAns = parseInt(document.querySelector('input[name="answer"]:checked').value);
```

```
if (Questions[currQuestion].a[selectedAns].isCorrect) {  
    score++;  
    console.log("Correct")  
    nextQuestion();  
} else {  
    nextQuestion();  
}  
}
```

</script>

</body>

</html>

Output:

udent.ORCL-26/Downloads/21f138/miniproject.html

## JAVASCRIPT

Inside which HTML element do we put the JavaScript?

- ☐ <JAVASCRIPT>    ☐ <SCRIPT>  
☐ <JS>            ☐ <SCRIPTING>

SUBMIT



## JAVASCRIPT

The external JavaScript file must contain the <script> tag?

- ☐ FALSE   ☐ TRUE

SUBMIT

## JAVASCRIPT

How do you create a function in JavaScript?

- ☐ function myFunction()   ☐ function:myFunction()  
☐ function=myFunction()

SUBMIT

## JAVASCRIPT

How to write an IF statement in JavaScript?

- ☐ if i==5 then      ☐ if(i==5)
- ☐ if i=5              ☐ if i=5

SUBMIT

## JAVASCRIPT

How does a WHILE loop start?

- ☐ While(i <= 10)      ☐ While(i <= 10,i++)
- ☐ While i=1 to 10

SUBMIT

# JAVASCRIPT

You scored 5 out of 5