

PROGRAM:

```
<!DOCTYPE html>
<html>
<head>
<title>Quiz Application</title>
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
<style>
body {
    font-family: Arial, sans-serif;
}

.question {
    font-size: 20px;
    margin: 20px 0;
}

.options {
    margin-top: 15px;
}

.options button {
    display: block;
    width: 250px;
    padding: 10px;
    margin: 10px 0;
    font-size: 16px;
}

#score {
    font-size: 22px;
    font-weight: bold;
    margin-top: 20px;
}
```

```

#prev, #next {
    margin-top: 15px;
    padding: 8px 15px;
}

</style>

</head>

<body>

<h1>Quiz Application</h1>

<div id="quiz-container">

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

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

    <button id="prev">Previous</button>

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

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

</div>

<script>

$(document).ready(function () {

    var questions = [

        { question: "What is the capital of France?", options: ["Paris", "London", "Rome"], answer: "Paris" },

        { question: "What is 2 + 2?", options: ["3", "4", "5"], answer: "4" },

        { question: "Which planet is known as the Red Planet?", options: ["Earth", "Mars", "Jupiter"], answer: "Mars" },

        { question: "Who wrote 'Hamlet'?", options: ["Charles Dickens", "William Shakespeare", "Mark Twain"], answer: "William Shakespeare" },

        { question: "What is the largest ocean on Earth?", options: ["Atlantic Ocean", "Indian Ocean", "Pacific Ocean"], answer: "Pacific Ocean" }

    ];

    var currentQuestion = 0;

    var score = 0;

```

```

var answered = new Array(questions.length).fill(false);

function loadQuestion(index) {
    var q = questions[index];
    $('#question').text(q.question);
    $('#options').empty();
    q.options.forEach(function (option) {
        $('#options').append(
            '<button class="option">' + option + '</button>'
        );
    });
    $('#score').text('Score: ' + score);
    $('#prev').toggle(index > 0);
    $('#next').text(index === questions.length - 1 ? "Finish" : "Next");
}

$(document).on('click', '.option', function () {
    if (!answered[currentQuestion]) {
        if ($(this).text() === questions[currentQuestion].answer) {
            score++;
        }
        answered[currentQuestion] = true;
    }
    $('.option').prop('disabled', true);
    $('#score').text('Score: ' + score);
});

$('#next').click(function () {
    if (currentQuestion < questions.length - 1) {
        currentQuestion++;
        loadQuestion(currentQuestion);
    } else {

```

```
$('#quiz-container').html(  
    '<h2>Quiz Over!</h2>' +  
    '<p>Your Score: ' + score + '</p>' +  
    '<button id="restart">Restart Quiz</button>'  
);  
}  
});  
$('#prev').click(function () {  
    currentQuestion--;  
    loadQuestion(currentQuestion);  
});  
$(document).on('click', '#restart', function () {  
    score = 0;  
    currentQuestion = 0;  
    answered.fill(false);  
    location.reload();  
});  
loadQuestion(currentQuestion);  
});  
</script>  
</body>  
</html>
```

OUTPUT:

The image shows two side-by-side screenshots of a "Quiz Application" window. Both windows have a title bar with the application name and a standard operating system window control menu.

**Left Window (Question View):**

- Title Bar:** Quiz Application
- Toolbar:** Back, Forward, Stop, File (with a dropdown arrow), and a path bar showing C:/Users/23uad043/D.
- Section Header:** **Quiz Application**
- Text:** What is the largest ocean on Earth?
- Buttons:** Three rectangular buttons labeled "Atlantic Ocean", "Indian Ocean", and "Pacific Ocean".
- Navigation Buttons:** "Previous" and "Finish" at the bottom.
- Score:** **Score: 2** displayed prominently.

**Right Window (Result View):**

- Title Bar:** Quiz Application
- Toolbar:** Back, Forward, Stop, File (with a dropdown arrow), and a path bar showing C:/Users/23uad043/D.
- Section Header:** **Quiz Application**
- Text:** **Quiz Over!**
- Text:** Your Score: 2
- Buttons:** A single rectangular button labeled "Restart Quiz".