

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:

