

ONLINE QUIZ

HTML

```
<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Online Quiz</title>

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

</head>

<body>

  <div class="container">

    <h1>Online Quiz</h1>

    <div id="quiz"></div>

    <button id="submit">Submit Answers</button>

    <div id="results"></div>

  </div>

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

</body>

</html>
```

CSS

```
body {
```

```
    font-family: Arial, sans-serif;
}
```

```
.container {
    max-width: 600px;
    margin: 0 auto;
    text-align: center;
}
```

```
h1 {
    color: #333;
}
```

```
#quiz {
    text-align: left;
}
```

```
#results {
    margin-top: 20px;
}
```

JAVA SCRIPT

```
const questions = [{
    question: "What is the capital of France?",
    answers: {
        a: "London",
        b: "Paris",
        c: "Berlin"
    }
}
```

```

    },
    correctAnswer: "b"
  },
  {
    question: "Which planet is known as the Red Planet?",
    answers: {
      a: "Mars",
      b: "Venus",
      c: "Jupiter"
    },
    correctAnswer: "a"
  }
];

```

```

function buildQuiz() {
  const quizContainer = document.getElementById('quiz');
  const output = [];

  questions.forEach((question, index) => {
    const answers = [];

    for (const letter in question.answers) {
      answers.push(
        `<label>
        <input type="radio" name="question${index}" value="${letter}">
        ${letter}: ${question.answers[letter]}
        </label>`
      );
    }

    output.push(

```

```

    `<div class="question"> ${question.question} </div>
    <div class="answers"> ${answers.join("")} </div>`
  );
});

quizContainer.innerHTML = output.join("");
}

function showResults() {
  const quizContainer = document.getElementById('quiz');
  const resultsContainer = document.getElementById('results');
  const submitButton = document.getElementById('submit');

  const answerContainers = quizContainer.querySelectorAll('.answers');
  let numCorrect = 0;

  questions.forEach((question, index) => {
    const answerContainer = answerContainers[index];
    const selector = `input[name=question${index}]:checked`;
    const userAnswer = (answerContainer.querySelector(selector) || {}).value;

    if (userAnswer === question.correctAnswer) {
      numCorrect++;
      answerContainers[index].style.color = 'lightgreen';
    } else {
      answerContainers[index].style.color = 'red';
    }
  });

  resultsContainer.innerHTML = `${numCorrect} out of ${questions.length}`;
}

```

```
buildQuiz();
```

```
const submitButton = document.getElementById('submit');
```

```
submitButton.addEventListener('click', showResults);
```

TO-DO LIST

HTML

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

```
<head>
```

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

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

```
  <title>To-Do List</title>
```

```
  <style>
```

```
    body {
```

```
      font-family: Arial, sans-serif;
```

```
    }
```

```
    .todo-container {
```

```
      max-width: 400px;
```

```
      margin: 0 auto;
```

```
    }
```

```
    .todo-item {
```

```
display: flex;
align-items: center;
margin-bottom: 5px;
}
```

```
.todo-item input[type="text"] {
  flex: 1;
  padding: 5px;
}
```

```
.todo-item button {
  margin-left: 5px;
  padding: 5px 10px;
  border: none;
  background-color: #4CAF50;
  color: white;
  cursor: pointer;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="todo-container">
```

```
<h2>To-Do List</h2>
```

```
<ul id="todo-list"></ul>
```

```
<div>
```

```
<input type="text" id="task-input" placeholder="Enter task...">
```

```
<button onclick="addTask()">Add Task</button>
```

```
</div>
```

```
</div>
```

```
<script>

const todoList = document.getElementById("todo-list");

function addTask() {
  const taskInput = document.getElementById("task-input");
  const taskText = taskInput.value.trim();
  if (taskText === "") return;

  const li = document.createElement("li");
  li.classList.add("todo-item");

  const input = document.createElement("input");
  input.type = "text";
  input.value = taskText;
  input.addEventListener("keypress", function(event) {
    if (event.key === "Enter") {
      editTask(this);
    }
  });

  const editButton = document.createElement("button");
  editButton.textContent = "Edit";
  editButton.addEventListener("click", function() {
    editTask(input);
  });

  const deleteButton = document.createElement("button");
  deleteButton.textContent = "Delete";
  deleteButton.addEventListener("click", function() {
    deleteTask(li);
  });
}
```

```
        li.appendChild(input);
        li.appendChild(editButton);
        li.appendChild(deleteButton);
        todoList.appendChild(li);

        taskInput.value = "";
    }

    function editTask(input) {
        const newText = input.value.trim();
        if (newText === "") return;
        input.value = newText;
    }

    function deleteTask(taskElement) {
        taskElement.remove();
    }
</script>
</body>

</html>
```

CURRENCY CONVERTOR

HTML


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

```
<head>
```

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

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

```
  <title>Currency Converter</title>
```

```
  <style>
```

```
    body {
```

```
      font-family: Arial, sans-serif;
```

```
      margin: 0;
```

```
      padding: 0;
```

```
      display: flex;
```

```
      justify-content: center;
```

```
      align-items: center;
```

```
      height: 100vh;
```

```
      background-color: #f4f4f4;
```

```
    }
```

```
    #converter {
```

```
      background-color: #fff;
```

```
      padding: 20px;
```

```
      border-radius: 5px;
```

```
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
```

```
    }
```

```
    label {
```

```
      font-weight: bold;
```

```
    }
```

```
    input[type="number"] {
```

```
width: 100%;  
padding: 8px;  
margin-top: 5px;  
border: 1px solid #ccc;  
border-radius: 3px;  
}
```

```
button {  
width: 100%;  
padding: 10px;  
margin-top: 10px;  
border: none;  
border-radius: 3px;  
background-color: #007bff;  
color: #fff;  
cursor: pointer;  
}
```

```
#result {  
margin-top: 20px;  
font-weight: bold;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div id="converter">
```

```
<label for="from">From (USD)</label>
```

```
<input type="number" id="from" placeholder="Enter amount in USD">
```

```
<label for="to">To (EUR)</label>
```

```
<input type="number" id="to" readonly>
```

```
<button onclick="convert()">Convert</button>

<div id="result"></div>

</div>

<script>
function convert() {
  const fromAmount = document.getElementById('from').value;
  fetch('https://api.exchangerate-api.com/v4/latest/USD')
    .then(response => response.json())
    .then(data => {
      const exchangeRate = data.rates.EUR;
      const toAmount = (fromAmount * exchangeRate).toFixed(2);
      document.getElementById('to').value = toAmount;
      document.getElementById('result').innerText = `Converted Amount: ${toAmount} EUR`;
    })
    .catch(error => console.error('Error fetching exchange rate:', error));
}
</script>
</body>

</html>
```

