PROSENSIA
M FAROOQ SAJID
MINI PROJECT QUIZ APP

CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8" />
 <meta name="viewport" content="width=device-width, initial-scale=1.0" />
 <title>Simple Quiz App</title>
 <style>
  body {
    font-family: 'Segoe UI', sans-serif;
    background: #f0f2f5;
    margin: 0;
    padding: 0;
  }

  .start-screen, .quiz-container, .result-container {
    max-width: 600px;
    margin: 50px auto;
    padding: 40px;
    background-color: #fff;
    border-radius: 16px;
    box-shadow: 0 8px 20px rgba(0, 0, 0, 0.1);
    text-align: center;
    display: none;
  }

  .active {
   display: block;
  }

  h1 {
   color: #4a00e0;
   margin-bottom: 30px;
  }

  .question {
   font-size: 20px;
   font-weight: 600;
   margin-bottom: 20px;
   color: #2d3748;
  }

  .option {
   padding: 15px 20px;
   background-color: #f1f5f9;
   margin-bottom: 10px;
```

```css
      border: 2px solid transparent;
      border-radius: 8px;
      cursor: pointer;
      font-size: 16px;
      transition: background-color 0.3s, border-color 0.3s;
    }

    .option:hover {
      background-color: #e2e8f0;
    }

    .correct {
      background-color: #c6f6d5 !important;
      border-color: #38a169 !important;
    }

    .wrong {
      background-color: #feb2b2 !important;
      border-color: #e53e3e !important;
    }

    .next-btn, .start-btn, .restart-btn {
      background-color: #4a00e0;
      color: #fff;
      border: none;
      padding: 12px 30px;
      font-size: 16px;
      border-radius: 8px;
      cursor: pointer;
      transition: background-color 0.3s;
      margin-top: 20px;
    }

    .next-btn:hover, .start-btn:hover, .restart-btn:hover {
      background-color: #3a00b7;
    }

    .timer {
      font-weight: bold;
      font-size: 18px;
      color: #4a00e0;
      position: absolute;
      top: 20px;
      right: 30px;
    }
  </style>
</head>
<body>
  <div class="timer" id="timer">Time: 60s</div>
  <div class="start-screen active" id="start-screen">
    <h1>Welcome to the Quiz!</h1>
    <button class="start-btn" onclick="startQuiz()">Start Quiz</button>
  </div>

  <div class="quiz-container" id="quiz-container">
    <h1>Simple Quiz</h1>
    <div id="question-container">
```

```html
      <div class="question" id="question">Loading...</div>
      <div id="options"></div>
      <button class="next-btn" onclick="nextQuestion()">Next ></button>
    </div>
  </div>

  <div class="result-container" id="result-container">
    <h1>Quiz Completed!</h1>
    <p>Your Score: <span id="score"></span>/15</p>
    <button class="restart-btn" onclick="restartQuiz()">Try Again</button>
  </div>

  <script>
    const quizData = [
      { question: "Rolex is a company that specializes in what type of product?", options: ["Bags",
"Watches", "Shoes", "Laptops"], answer: 1 },
      { question: "What does HTML stand for?", options: ["HyperText Machine Language", "HyperText
Markup Language", "HyperText and Links Mark Language", "None of these"], answer: 1 },
      { question: "Which programming language is used to style web pages?", options: ["HTML",
"JQuery", "CSS", "XML"], answer: 2 },
      { question: "Which is not a JavaScript Framework?", options: ["Python Script", "JQuery", "Django",
"NodeJS"], answer: 2 },
      { question: "Which symbol is used for comments in JavaScript?", options: ["//", "<!-- -->", "/* */",
"#"], answer: 0 },
      { question: "Inside which HTML element do we put the JavaScript?", options: ["<javascript>",
"<js>", "<scripting>", "<script>"], answer: 3 },
      { question: "Which of the following is a JavaScript data type?", options: ["Number", "Float",
"Decimal", "Character"], answer: 0 },
      { question: "Which method is used to output data to the console in JavaScript?", options:
["log.console()", "console.log()", "print()", "echo()"], answer: 1 },
      { question: "Which of the following is used to define a variable in JavaScript?", options: ["var", "let",
"const", "All of the above"], answer: 3 },
      { question: "Which company developed JavaScript?", options: ["Netscape", "Microsoft", "Sun
Microsystems", "Oracle"], answer: 0 },
      { question: "How do you write \"Hello World\" in an alert box?", options: ["alertBox('Hello
World');", "msg('Hello World');", "msgBox('Hello World');", "alert('Hello World');"], answer: 3 },
      { question: "Which function is used to parse a string to integer in JavaScript?", options: ["int()",
"parseInt()", "Number.parseInt()", "Both B and C"], answer: 3 },
      { question: "Which JavaScript keyword is used to define an asynchronous function?", options:
["async", "await", "setTimeout", "defer"], answer: 0 },
      { question: "What is the correct syntax to refer an external script called 'xxx.js'?", options: ["<script
href=\"xxx.js\">", "<script name=\"xxx.js\">", "<script src=\"xxx.js\">", "<script file=\"xxx.js\">"],
answer: 2 },
      { question: "How do you write a comment in JavaScript?", options: ["<!-- comment -->", "//
comment", "** comment **", "~~ comment ~~"], answer: 1 }
    ];

    let currentQuestion = 0;
    let answered = false;
    let score = 0;
    let timer = 60;
    let interval;

    function startQuiz() {
      document.getElementById("start-screen").classList.remove("active");
      document.getElementById("quiz-container").classList.add("active");
      loadQuestion();
```

```
  startTimer();
}

function loadQuestion() {
  const q = quizData[currentQuestion];
  document.getElementById("question").textContent = q.question;
  const optionsContainer = document.getElementById("options");
  optionsContainer.innerHTML = "";

  q.options.forEach((opt, index) => {
    const btn = document.createElement("div");
    btn.classList.add("option");
    btn.textContent = opt;
    btn.onclick = () => selectOption(btn, index);
    optionsContainer.appendChild(btn);
  });
}

function selectOption(element, index) {
  if (answered) return;
  answered = true;
  const q = quizData[currentQuestion];
  const options = document.querySelectorAll(".option");

  options.forEach((opt, i) => {
    if (i === q.answer) opt.classList.add("correct");
    if (i === index && index !== q.answer) opt.classList.add("wrong");
  });

  if (index === q.answer) score++;
}

function nextQuestion() {
  if (!answered) return;
  if (currentQuestion < quizData.length - 1) {
    currentQuestion++;
    answered = false;
    loadQuestion();
  } else {
    endQuiz();
  }
}

function endQuiz() {
  clearInterval(interval);
  document.getElementById("quiz-container").classList.remove("active");
  document.getElementById("result-container").classList.add("active");
  document.getElementById("score").textContent = score;
}

function restartQuiz() {
  score = 0;
  currentQuestion = 0;
  answered = false;
  timer = 60;
  document.getElementById("result-container").classList.remove("active");
  document.getElementById("quiz-container").classList.add("active");
```
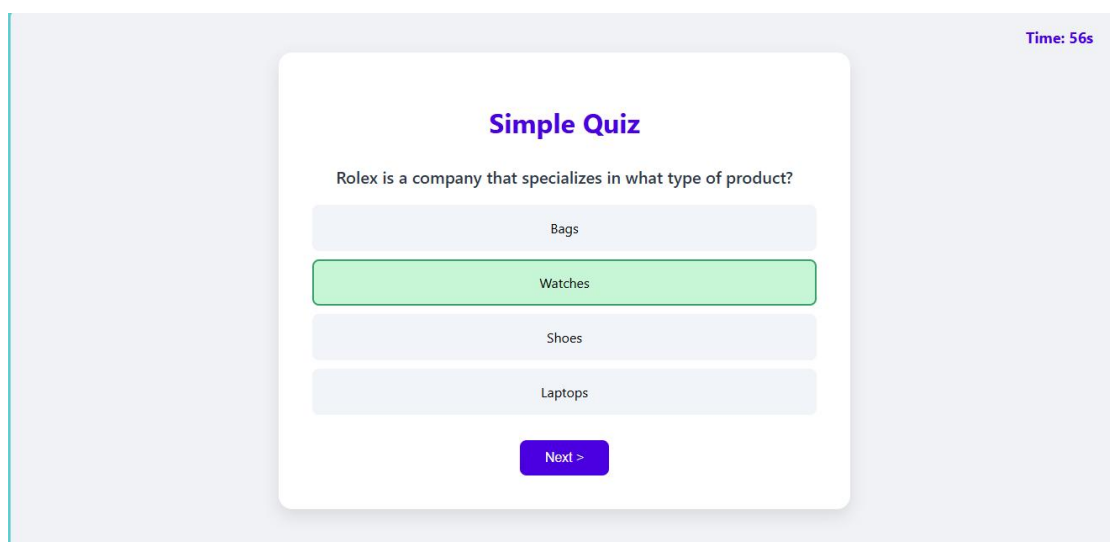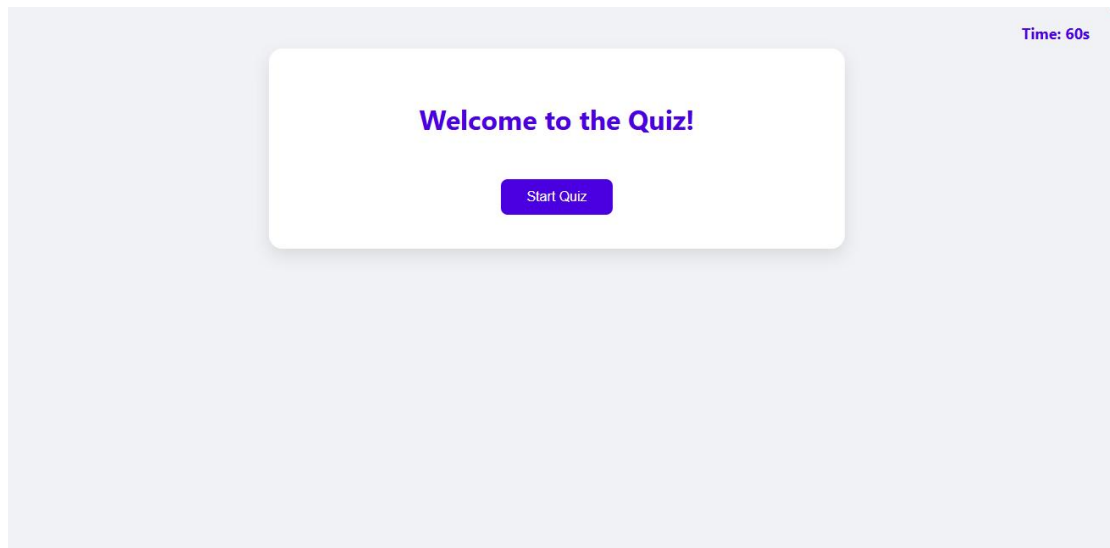
```
      loadQuestion();
      startTimer();
    }

    function startTimer() {
      interval = setInterval(() => {
        timer--;
        document.getElementById("timer").textContent = `Time: ${timer}s`;
        if (timer <= 0) endQuiz();
      }, 1000);
    }
  </script>
</body>
</html>
```

OUTPUT:

Time: 60s

Welcome to the Quiz!

Start Quiz

Time: 56s

Simple Quiz

Rolex is a company that specializes in what type of product?

Bags

Watches

Shoes

Laptops

Next >

Quiz Completed!

Your Score: 1/15

Try Again