PROGRAMME-11

Aim:

Create a HTML page to show onine exam using JavaScript

Source code:

exam.html

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Exam</title>
   <link rel="stylesheet" href="style.css">
   <script src="script.js"></script>
</head>

<body>
   <div id="container">
      <div id="info" align="center">
         <lable for="name">Enter your name:</lable>
         <input type="text" id="name">
         <button id="submit" type="submit" value="Save" onclick="next()" style="margin-
               left:2em;">Submit</button>
      </div>
      <div id="question" style="display:none;">
         <div id="qt">
            <p id="qst"></p>
         </div>
         <div id="radio">
            <div class="option">
               <input type="radio" name="ans" value="A" id="A">
               <label for="option" id="a"></label>
            </div>
            <div class="option">
               <input type="radio" name="ans" value="B" id="B">
               <label for="option" id="b"></label>
            </div>
            <div class="option">
               <input type="radio" name="ans" value="C" id="C">
               <label for="option" id="c"></label>
            </div>
            <div class="option">
               <input type="radio" name="ans" value="D" id="D">
               <label for="option" id="d"></label>
            </div>
```

```
        </div>
        <div class="button">
          <button id="submit" type="submit" value="Save" onclick="saveAnswer()">Save &
              Next</button>
          <button id="reset" type="reset" value="reset">reset</button>
        </div>
      </div>
      <div id="score_card">
        <div id="name_last"></div>
        <div id="score"></div>
      </div>
    </div>
</body>
</html>
```

style.css

———

```
* {
  box-sizing: border-box;
}
#info {
  margin: 2em;
}
body {
  width: 100%;
  height: 100vh;
  margin: 0;
  padding: 0;
}
input {
  padding: 5px 10px 5px 10px;
  height: 2em;
  border-radius: 5px;
  border: 1px solid #858f99;
}
#container {
  width: 60%;
  align-items: center;
  margin: auto;
  padding: 2em 2em 0.5em 2em;
  border: 1px solid black;
  border-radius: 8px;
  transform: translateY(20vh);
  box-shadow: rgba(100, 100, 111, 0.2) 0px 7px 29px 0px;
}
#qt {
  padding: 1em;
}
.option {
```

```
  display: block;
  padding: 1em;
}
.button {
  padding: 1.5em;
  display: flex;
  flex-direction: row;
  justify-content: flex-end;
}
button {
  margin: 0.5em;
  padding: 0.7em;
  width: 8em;
  border: 1px solid transparent;
  border-radius: 5px;
  background-color: #12d63d;
}
input[type="radio"] {
  transform: translateY(8px);
}
#score_card {
  margin: auto;
  display: none;
  opacity: 0.8;
}
#name_last {
  text-align: center;
  font-size: 45px;
  margin: auto;
}
#score {
  text-align: center;
  margin: auto;
  color: #12d63d;
  font-size: 45px;
}
```

script.js

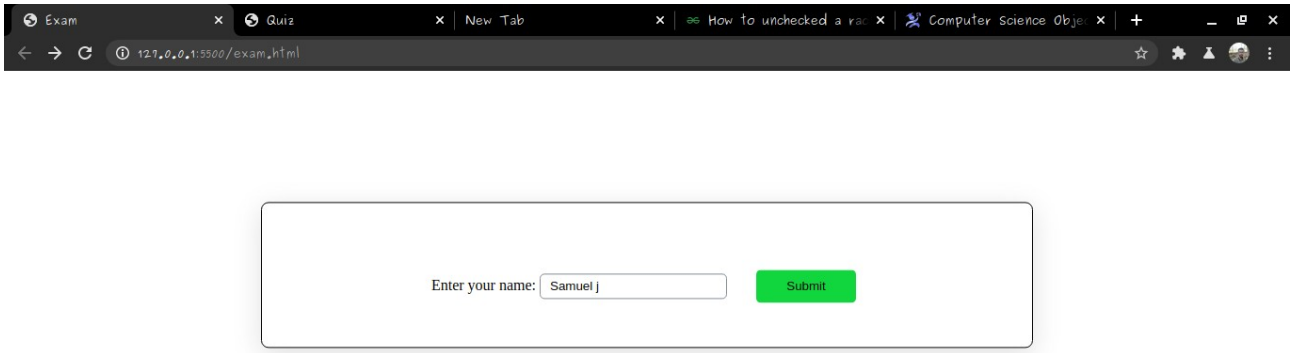
———

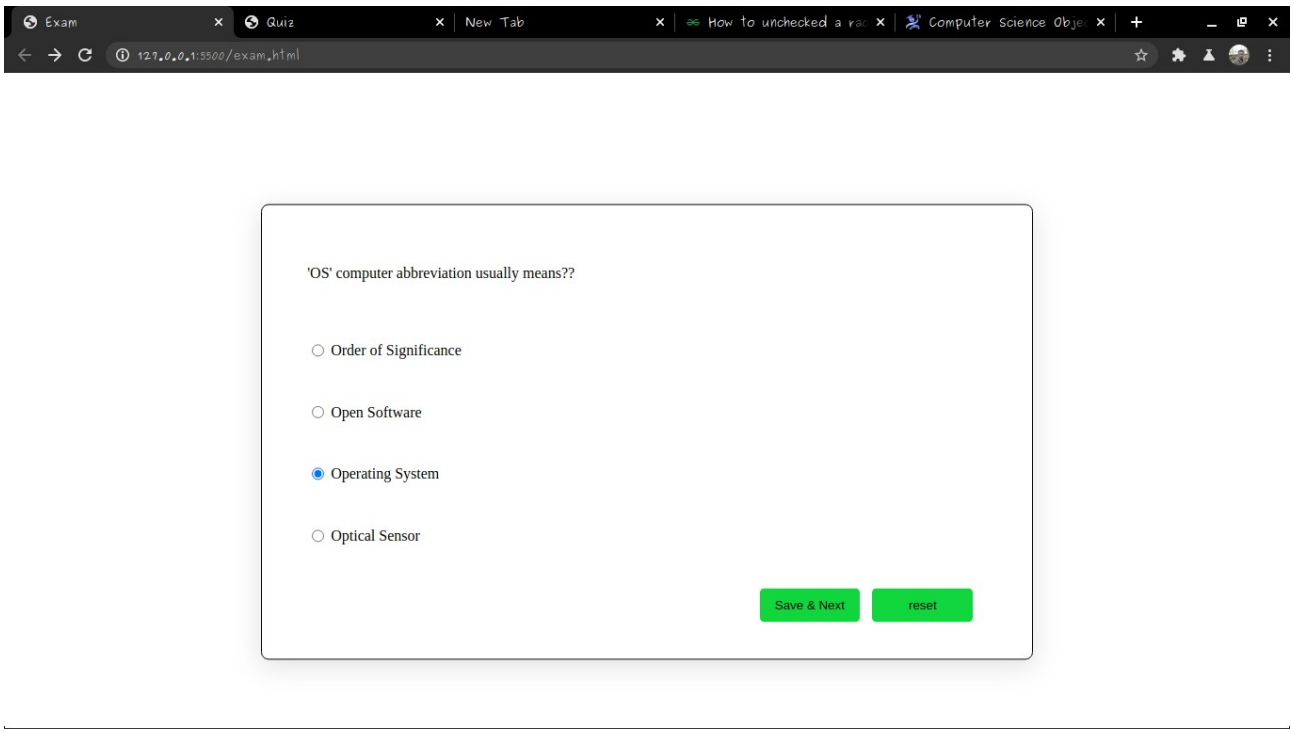
```
let score = 0;
let name = "";
let counter = 0;

let questions = [
    {
        question: "'OS' computer abbreviation usually means??",
        choiceA: " Order of Significance",
        choiceB: " Open Software",
        choiceC: " Operating System",
```

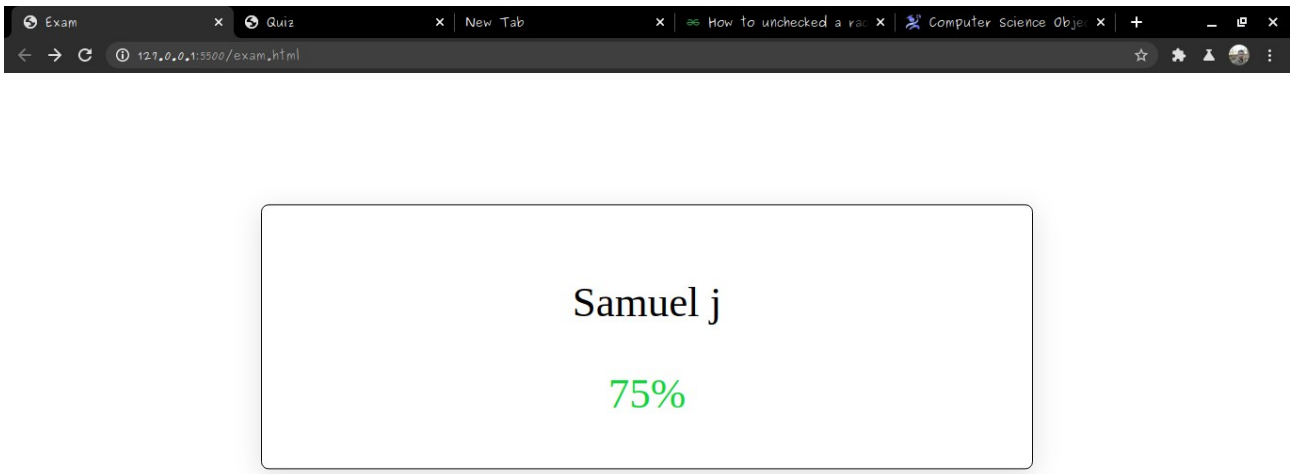
```
        choiceD: "Optical Sensor",
        correct: "C"
    }, {
        question: "'.MPG' extension refers usually to what kind of file?",
        choiceA: " Word Perfect Document file",
        choiceB: "MS Office document",
        choiceC: "Animation/movie file",
        choiceD: " Image file",
        correct: "C"
    }, {
        question: "What is part of a database that holds only one type of information?",
        choiceA: "Report",
        choiceB: "Field",
        choiceC: "Record",
        choiceD: "File",
        correct: "B"
    }, {
        question: "What does SSL stand for?",
        choiceA: "Secure Socket Layer",
        choiceB: "System Socket Layer",
        choiceC: "Superuser System Login",
        choiceD: "Secure System Login",
        correct: "A"
    }
];

let runningQst = 0
const lastQst = questions.length - 1


let renderQuestions = () => {
    let q = questions[runningQst]

    document.getElementById("qst").innerHTML = q.question
    document.getElementById("a").innerHTML = q.choiceA
    document.getElementById("b").innerHTML = q.choiceB
    document.getElementById("c").innerHTML = q.choiceC
    document.getElementById("d").innerHTML = q.choiceD
}

const saveAnswer = () => {

    if (document.querySelector('input[name ="ans"]:checked').value ===
questions[runningQst].correct) {
        score += 1
    }
    document.getElementById(document.querySelector('input[name
="ans"]:checked').value).checked=false
    if (runningQst < lastQst) {
        runningQst += 1
        renderQuestions()
    }
```

```
    else {
        displayScore()
    }

}
const next = () => {
    document.getElementById("info").style.display = "none"
    name += document.getElementById("name").value
    renderQuestions();
    document.getElementById("question").style.display = "block"
}

const displayScore = () => {
    document.getElementById("question").style.display = "none"
    document.getElementById("score_card").style.display = "block"
    const total = Math.round(100 * score / questions.length);
    document.getElementById("name_last").innerHTML = "<p>" + name + "</p>"
    document.getElementById("score").innerHTML = "<p>" + total + "%</p>"

}
```

Output:




Exam
Quiz
New Tab
How to unchecked a rac
Computer Science Obje
127.0.0.1:5500/exam.html
'OS' computer abbreviation usually means??
Order of Significance
Open Software
Operating System
Optical Sensor
Save & Next
reset


Exam
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How to unchecked a rac
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127.0.0.1:5500/exam.html
Samuel j
75%