
 Marwadi University Marwadi Chandarana Group	Marwadi University Faculty of Technology Department of Information and Communication Technology
Subject: Internet and Web Technology (01CT0408)	Aim: Quiz app using HTML, CSS, and Javascript.
Assignment:- 03	Date:- 13-04-2024

Objective:- Design a dynamic table based on user input (rows and columns). in each cell add a text field to take input. On the submit button no text field should be empty.

HTML Code :-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Assignment-3</title>
  <link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">
  <link rel="stylesheet" href="/style.css">
</head>
<body>
  <div class="container mt-5">
    <div id="question_add">
      <input type="text" class="form-control mb-2" name="txtQuestion" id="txtQuestion"
        placeholder="Enter The Question">
      <input type="text" class="form-control mb-2" name="txtOpt1" id="txtOpt1" placeholder="Enter The Option-1">
      <input type="text" class="form-control mb-2" name="txtOpt2" id="txtOpt2" placeholder="Enter The Option-2">
      <input type="text" class="form-control mb-2" name="txtOpt3" id="txtOpt3" placeholder="Enter The Option-3">
      <input type="text" class="form-control mb-2" name="txtOpt4" id="txtOpt4" placeholder="Enter The Option-4">
      <b>Select The Correct Answer :- </b>
      <select class="form-control mb-2" name="corrAns" id="corrAns">
        <option value="1">Option-1</option>
        <option value="2">Option-2</option>
        <option value="3">Option-3</option>
        <option value="4">Option-4</option>
      </select>
      <button type="button" class="btn btn-primary mb-2" id="addQue" onclick="addQuestion()">Add</button>
    </div>
    <div class="question" id="labelQuestion">
      Question text
    </div>
    <div class="answer mt-3" id="answer">
    </div>
    <div class="navigation mt-3">
      <button type="button" class="btn btn-secondary" id="btnPrev" onclick="onClickPrev()">Prev</button>
      <button type="button" class="btn btn-primary ml-2" id="btnCheck" onclick="checkAnswer()">Check
        Answer</button>
      <button type="button" class="btn btn-secondary ml-2" id="btnNext" onclick="onClickNext()">Next</button>
      <button type="button" class="btn btn-primary ml-2" id="btnCheckResult" onclick="onClickResult()"
        style="display:none">Check Result</button>
    </div>
    <div id="displayresult"></div>
  </div>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
  <script src="myjs.js"></script>
```

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</body>

</html>

CSS Code :-

```
body {
  font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
  background-color: #f8f9fa;
  margin: 0;
  padding: 0;
}

.container {
  max-width: 600px;
  margin: 0 auto;
  padding: 20px;
  background-color: #fff;
  border-radius: 10px;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}



.question,
.answer {
  background-color: #e9ecef;
  padding: 15px;
  margin-top: 20px;
  border-radius: 5px;
}

.navigation {
  text-align: center;
  margin-top: 20px;
}

#question_add {
  margin-bottom: 20px;
  background-color: #fff;
  padding: 20px;
  border-radius: 10px;
  box-shadow: 0 0 20px rgba(0, 0, 0, 0.1);
}

#question_add input[type="text"],
#question_add select {
  width: calc(100% - 20px);
  padding: 10px;
  margin-bottom: 10px;
  box-sizing: border-box;
  border: 1px solid #ccc;
  border-radius: 5px;
}
```

```
#question_add input[type="text"]:focus,
#question_add select:focus {
```

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```

outline: none;
border-color: #007bff;
}

#question_add input[type="button"] {
padding: 10px 20px;
background-color: #007bff;
color: #fff;
border: none;
border-radius: 5px;
cursor: pointer;
transition: background-color 0.3s;
}

#question_add input[type="button"]:hover {
background-color: #0056b3;
}

.question,
.answer {
background-color: #fff;
padding: 20px;
margin-bottom: 20px;
border-radius: 10px;
box-shadow: 0 0 20px rgba(0, 0, 0, 0.1);
}

.navigation {
text-align: center;
}

.navigation button {
padding: 10px 20px;
margin: 0 5px;
background-color: #007bff;
color: #fff;
border: none;
border-radius: 5px;
cursor: pointer;
transition: background-color 0.3s;
}

.navigation button:hover {
background-color: #0056b3;
}

#displayresult {
margin-top: 20px;
}

```

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Javascript Code :-

```

var data = [
  {
    question: "This is first question",
    answers: ["ans1 opt1", "ans1 opt2", "ans1 opt3", "ans1 opt4"],
    correct_opt: 1,
  },
  {
    question: "This is second question",
    answers: ["ans2 opt1", "ans2 opt2", "ans2 opt3", "ans2 opt4"],
    correct_opt: 2,
  },
  {
    question: "This is third question",
    answers: ["ans3 opt1", "ans3 opt2", "ans3 opt3", "ans3 opt4"],
    correct_opt: 3,
  },
  {
    question: "This is fourth question",
    answers: ["ans4 opt1", "ans4 opt2", "ans4 opt3", "ans4 opt4"],
    correct_opt: 4,
  },
];


var currInd = 0;
var response = [];
displayQuiz();

function displayQuiz() {
  document.getElementById("labelQuestion").innerText = data[currInd]["question"];
  let optHtml = "";
  data[currInd]["answers"].forEach((answer, index) => {
    optHtml +=
      '<div class="ans-opt" id="opt_' +
      (index + 1) +
      ">' +
      '<input type="radio" name="options" value="' +
      (index + 1) +
      ""';

    if (response[currInd] && response[currInd]["res"] == index + 1) {
      optHtml += 'checked = "checked"';
    }

    optHtml += ">" +
      answer +
      "</div>";
  });
}

```

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```

document.getElementById("answer").innerHTML = optHtml;

if (currInd == 0) {
    document.getElementById("btnPrev").style.display = "none";
} else {
    document.getElementById("btnPrev").style.display = "inline";
}

if (currInd == data.length - 1) {
    document.getElementById("btnNext").style.display = "none";
    document.getElementById("btnCheckResult").style.display = "inline";
} else {
    document.getElementById("btnNext").style.display = "inline";
    document.getElementById("btnCheckResult").style.display = "none";
}
}

function onClickNext() {
    checkAnswer();
    currInd++;
    displayQuiz();
}


function onClickPrev() {
    currInd--;
    displayQuiz();
}

function checkAnswer() {
    var val = document.querySelector('input[type="radio"]:checked').value;
    if (val == data[currInd]["correct_opt"]) {
        response[currInd] = { res: val, istrue: true };

        alert("Good work");
    } else {
        response[currInd] = { res: val, istrue: false };
        alert("Oops you miss");
    }
}

function onClickResult() {
    checkAnswer();
    var html = "";
    response.forEach((resp, index) => {
        html +=
            "<p>Ques " +
            (index + 1) +
            ": option selected : " +
            resp.res +
            " istrue: " +
            resp.istrue +

```

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```

" </p>";
});
document.getElementById("displayresult").innerHTML = html;
}

```

```

function addQuestion() {
    let newquestion = document.getElementById('txtQuestion').value;
    let option1 = document.getElementById('txtOpt1').value;
    let option2 = document.getElementById('txtOpt2').value;
    let option3 = document.getElementById('txtOpt3').value;
    let option4 = document.getElementById('txtOpt4').value;
    let correctopt = parseInt(document.getElementById('corrAns').value);
    data.push ({ question: newquestion, answers: [option1, option2, option3, option4 ], correct_opt: correctopt });
}

```

Output :-

