

 Marwadi University Marwadi Chandarana Group	 Marwadi University Faculty of Technology Department of Information and Communication Technology
Subject: Internet and Web Technology (01CT0408)	Aim: Create table using HTML tags.
Experiment No:- 03	Date:- 06-03-2024 Enrollment No:- 92200133030

Objective: Design an Online Quiz Web Page using HTML tags and elements.

Code :-

HTML Code :-

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document_12</title>
    <link rel="stylesheet" href="/style.css">
  </head>
  <body>
    <div id="question_add">
      <input type="text" name="txtQuestion" id="txtQuestion" placeholder="Enter The Question"><br>
      <input type="text" name="txtOpt1" id="txtOpt1" placeholder="Enter The Option-1"><br>
      <input type="text" name="txtOpt2" id="txtOpt2" placeholder="Enter The Option-2"><br>
      <input type="text" name="txtOpt3" id="txtOpt3" placeholder="Enter The Option-3"><br>
      <input type="text" name="txtOpt4" id="txtOpt4" placeholder="Enter The Option-4"><br>
      <b>Select The Correct Answer :- </b>
      <select 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>
      <input type="button" value="Add" class="addQue" id="addQue" onclick="addQuestion()">
    </div>
    <div class="question" id="labelQuestion">
      Question text
    </div>
    <div class="answer" id="answer">
    </div>
    <div class="navigation">
      <button type="button" id="btnPrev" onclick="onClickPrev()">Prev</button>
      <button type="button" id="btnCheck" onclick="checkAnswer()">Check Answer</button>
      <button type="button" id="btnNext" onclick="onClickNext()">Next</button>
      <button type="button" id="btnCheckResult" onclick="onClickResult()" style="display:none">Check Result</button>
    </div>
    <!-- <input type="radio" name="" id="" checked="checked"> -->
    <div id="displayresult"></div>
    <script src="myjs.js"></script>
  </body>
</html>
```

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CSS Code :-

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

.container {
  max-width: 800px;
  margin: 0 auto;
  padding: 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 {
  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;
}
```

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```
.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;
}
```

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,
    },
]
```

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```

{
  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>";
  });

  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";
  }
}

```

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```
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 +
            " </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 });
}
```

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Output:-

Select The Correct Answer :-

Option-1

Add

This is first question

☐ ans1 opt1
☐ ans1 opt2
☐ ans1 opt3
☐ ans1 opt4

Check Answer
Next