**MINI PROJECT -1**

**QUIZE PROJECT**

HTML

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

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

<title>HTML Quiz</title>

<link rel="stylesheet" href="style2.css">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.css">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.0.0-alpha.6/css/bootstrap.min.css">

</head>

<body>

<header class="header bg-primary">

<div class="left-title">HTML Quiz</div>

<div class="right-title">Total Questions: <span id="tque"></span></div>

<div class="clearfix"></div>

</header>

<div class="content">

<div class="container-fluid">

<div class="row">

<div class="col-sm-12">

<div id="result" class="quiz-body">

<form name="quizForm" onSubmit="">

<fieldset class="form-group">

<h4><span id="qid">1.</span> <span id="question"></span></h4>

<div class="option-block-container" id="question-options">

</div> <!-- End of option block -->

</fieldset>

<button name="previous" id="previous" class="btn btn-success">Previous</button>

&nbsp;

<button name="next" id="next" class="btn btn-success">Next</button>

</form>

</div>

</div> <!-- End of col-sm-12 -->

</div> <!-- End of row -->

</div> <!-- ENd of container fluid -->

</div> <!-- End of content -->

<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.1.1/jquery.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.0.0-alpha.6/js/bootstrap.min.js"></script>

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

</body>

</html>

**CSS**

.content {

    margin-top: 54px;

    }

    .header {

    padding: 15px;

    position: fixed;

    top: 0;

    width: 100%;

    z-index: 9999;

    }

    .left-title {

    width: 80px;

    color:orange;

    font-size: 18px;

    float: left;

    }

    .right-title {

    width: 150px;

    text-align: right;

    float: right;

    color: #fff;

    }

    .quiz-body {

    margin-top: 35px;

    padding-bottom: 50px;

    }

    .option-block-container {

    margin-top: 20px;

    max-width: 420px;

    }

    .option-block {

    padding: 10px;

    background: rgb(244, 244, 245);

    border: 1px solid #5c62af;

    margin-bottom: 10px;

    cursor: pointer;

    }

    .result-question {

    font-weight: bold;

    }

    .c-wrong {

    margin-left: 20px;

    color: #7c0c0c;

    }

    .c-correct {

    margin-left: 20px;

    color: rgb(43, 135, 196);

    }

    .last-row {

    border-bottom: 1px solid #ccc;

    padding-bottom: 25px;

    margin-bottom: 25px;

    }

    .res-header {

    border-bottom: 1px solid #da0505;

    margin-bottom: 15px;

    padding-bottom: 15px;

    }

**JAVASCRIPT**

var quiz = {

    "JS": [

    {

    "id": 1,

    "question": "What does HTML stand for?",

    "options": [

    {

    "a": "Home Tool Markup lanuage.",

    "b": "Hyper text Markup Language.",

    "c": "Hyperlinks and Text Markup languag.",

    }

    ],

    "answer": "Hyper text Markup Language.",

    "score": 0,

    "status": ""

    },

    {

    "id": 2,

    "question": "Who is making the Web standards?",

    "options": [

    {

    "a": "The World Wide Web Consortium.",

    "b": "Mozilla.",

    "c": "Microsoft.",

    "d": "Google.",

    }

    ],

    "answer": "The World Wide Web Consortium.",

    "score": 0,

    "status": ""

    },

    {

    "id": 3,

    "question": "What are the types of the lists Available in HTML?",

    "options": [

    {

    "a": "Order,Unorder Lists.",

    "b": "Bullted,Number Lists.",

    "c": "Named,Unamed Lists.",

    }

    ],

    "answer": "Order,Unorder Lists.",

    "score": 0,

    "status": ""

    },

    {

    "id": 4,

    "question": "How to set a font for whole page?",

    "options": [

    {

    "a": "defaultfont.",

    "b": "targetfont.",

    "c": "font."

    }

    ],

    "answer": "defaultfont.",

    "score": 0,

    "status": ""

    },

    {

    "id": 5,

    "question": "Which of the following doesn't required closing tag?",

    "options": [

    {

    "a": "&ltbr&gt",

    "b": "&lthr&gt",

    "c": "both a and b",

    "d": "None of the above.",

    }

    ],

    "answer": "both a and b",

    "score": 0,

    "status": ""

    },

    {

    "id": 6,

    "question": "What are the attributes used to change the size of an image?",

    "options": [

    {

    "a": "Width and height.",

    "b": "Big and Small.",

    "c": "Top and Bottom.",

    }

    ],

    "answer": "Width and height.",

    "score": 0,

    "status": ""

    },

    {

    "id": 7,

    "question": "Which attribute is used to provide a unique name to HTML element?",

    "options": [

    {

    "a": "id.",

    "b": "class.",

    "c": "type.",

    }

    ],

    "answer": "id.",

    "score": 0,

    "status": ""

    },

    {

    "id": 8,

    "question": "What tag is used to render the image on the WebPage?",

    "options": [

    {

    "a": "img.",

    "b": "srg.",

    "c": "image.",

    "d": "None of the above.",

    }

    ],

    "answer": "img.",

    "score": 0,

    "status": ""

    },

    {

    "id": 9,

    "question": "Colors are defined in HTML using?",

    "options": [

    {

    "a": "RGB Values.",

    "b": "HEX Values.",

    "c": "RGBA Values.",

    "d": "All of the above."

    }

    ],

    "answer": "All of the above.",

    "score": 0,

    "status": ""

    },

    {

    "id": 10,

    "question": "What are the types unorder lists in HTML?",

    "options": [

    {

    "a": "Circle,Square,disc.",

    "b": "Triangle,Square,disc.",

    "c": "Triangle,Circle,Disc.",

    "d": "All of the above.",

    }

    ],

    "answer": "Circle,Square,disc.",

    "score": 0,

    "status": ""

    },

    ]

    }

    var quizApp = function () {

    this.score = 0;

    this.qno = 1;

    this.currentque = 0;

    var totalque = quiz.JS.length;

    this.displayQuiz = function (cque) {

    this.currentque = cque;

    if (this.currentque < totalque) {

    $("#tque").html(totalque);

    $("#previous").attr("disabled", false);

    $("#next").attr("disabled", false);

    $("#qid").html(quiz.JS[this.currentque].id + '.');

    $("#question").html(quiz.JS[this.currentque].question);

    $("#question-options").html("");

    for (var key in quiz.JS[this.currentque].options[0]) {

    if (quiz.JS[this.currentque].options[0].hasOwnProperty(key)) {

    $("#question-options").append(

    "<div class='form-check option-block'>" +

    "<label class='form-check-label'>" +

    "<input type='radio' class='form-check-input' name='option' id='q" + key + "' value='" + quiz.JS[this.currentque].options[0][key] + "'><span id='optionval'>" +

    quiz.JS[this.currentque].options[0][key] +

    "</span></label>"

    );

    }

    }

    }

    if (this.currentque <= 0) {

    $("#previous").attr("disabled", true);

    }

    if (this.currentque >= totalque) {

    $('#next').attr('disabled', true);

    for (var i = 0; i < totalque; i++) {

    this.score = this.score + quiz.JS[i].score;

    }

    return this.showResult(this.score);

    }

    }

    this.showResult = function (scr) {

    $("#result").addClass('result');

    $("#result").html("<h1 class='res-header'>Total Score: &nbsp;" + scr + '/' + totalque + "</h1>");

    for (var j = 0; j < totalque; j++) {

    var res;

    if (quiz.JS[j].score == 0) {

    res = '<span class="wrong">' + quiz.JS[j].score + '</span><i class="fa fa-remove c-wrong"></i>';

    } else {

    res = '<span class="correct">' + quiz.JS[j].score + '</span><i class="fa fa-check c-correct"></i>';

    }

    $("#result").append(

    '<div class="result-question"><span>Q ' + quiz.JS[j].id + '</span> &nbsp;' + quiz.JS[j].question + '</div>' +

    '<div><b>Correct answer:</b> &nbsp;' + quiz.JS[j].answer + '</div>' +

    '<div class="last-row"><b>Score:</b> &nbsp;' + res +

    '</div>'

    );

    }

    }

    this.checkAnswer = function (option) {

    var answer = quiz.JS[this.currentque].answer;

    option = option.replace(/</g, "&lt;") //for <

    option = option.replace(/>/g, "&gt;") //for >

    option = option.replace(/"/g, "&quot;")

    if (option == quiz.JS[this.currentque].answer) {

    if (quiz.JS[this.currentque].score == "") {

    quiz.JS[this.currentque].score = 1;

    quiz.JS[this.currentque].status = "correct";

    }

    } else {

    quiz.JS[this.currentque].status = "wrong";

    }

    }

    this.changeQuestion = function (cque) {

    this.currentque = this.currentque + cque;

    this.displayQuiz(this.currentque);

    }

    }

    var jsq = new quizApp();

    var selectedopt;

    $(document).ready(function () {

    jsq.displayQuiz(0);

    $('#question-options').on('change', 'input[type=radio][name=option]', function (e) {

    //var radio = $(this).find('input:radio');

    $(this).prop("checked", true);

    selectedopt = $(this).val();

    });

    });

    $('#next').click(function (e) {

    e.preventDefault();

    if (selectedopt) {

    jsq.checkAnswer(selectedopt);

    }

    jsq.changeQuestion(1);

    });

    $('#previous').click(function (e) {

    e.preventDefault();

    if (selectedopt) {

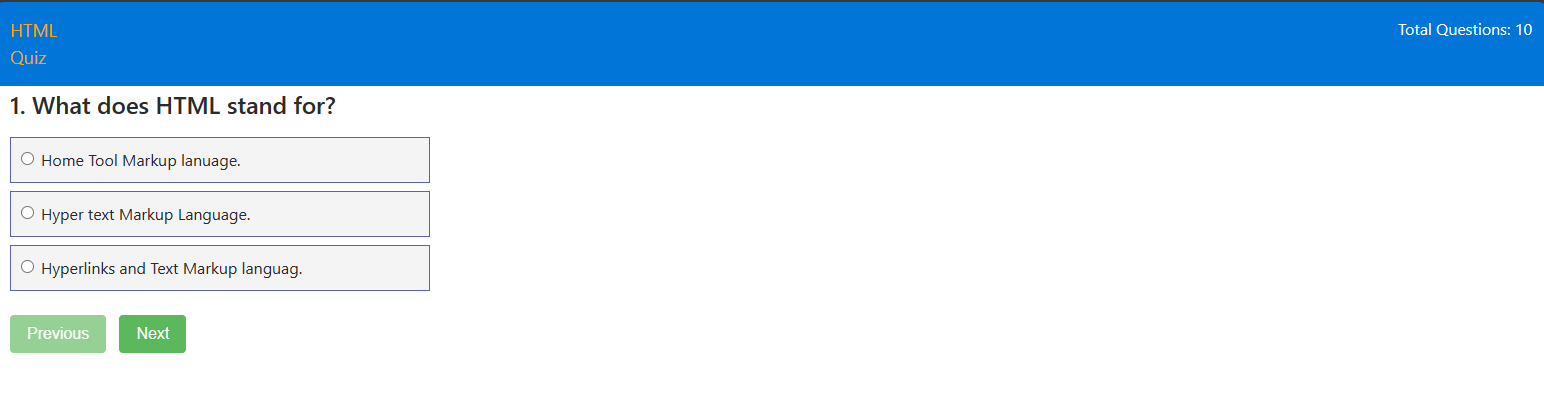
    jsq.checkAnswer(selectedopt);

    }

    jsq.changeQuestion(-1);

    });

**OUTPUT:**



Output:2

