Source Code of Project Online Test Application.

Source Code of HTML Index:-

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

    <div class="container">
        <div class="leftSide">
        <img src="https://img.freepik.com/premium-vector/quiz-comic-pop-art-
style_175838-505.jpg?w=900"alt="quiz logo"class="tilt">
        </div>
    <div class="rightSide"><br>
        <h1>Welcome to Online Test Application</h1><br>
        <ul style="list-style-type:circle">

            <li><b>Frontend Quiz</b></li>
            <li><b>Consist of 5 uestions</b></li>
        </ul>
        <a href="questions.html">Start Quiz</a>

        </div>
    </div>
</body>
<script src="js/jquery-3.5.1.min.js"></script>
<script src="quiz.js"></script>
<script src="script.js"></script>
</html>
```

Source Code of HTML Questions:-

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Questions</title>
    <link rel="stylesheet" href="style.css" />
</head>

<body>
    <div class="box" id="questionScreen">
        <div class="title">
            Online Test Application
        </div>
        <div class="header">
            <div class="scoreBox" style="color:white; background-color:
rgb(150, 198, 226);">Score: <span></span> </div>
        </div>

        <div class="questionBox">

        </div>
        <div class="optionBox" >
            <span onclick="checkAnswer(this)" data-opt="1"></span>
            <span onclick="checkAnswer(this)" data-opt="2"></span>
            <span onclick="checkAnswer(this)" data-opt="3"></span>
            <span onclick="checkAnswer(this)" data-opt="4"></span>
        </div>
        <div class="footer">
            <button onclick="showNext()">
                Next
            </button>
            <button onclick="showResult(1)">
                 Result
            </button>
        </div>
    </div>
    <div class="box" id="resultScreen" style="display: none;">
        <div class="title">
            Online Test Result
        </div>
        <div class="resultBox">
            <label>Questions : </label>
            <span id="titalQuestions">5</span>
            <label>Attempted : </label>
```

```
            <span id="attemptQuestion">0</span>
            <label>Correct : </label>
            <span id="correctAnswers">0</span>
            <label>Wrong : </label>
            <span id="wrongAnswers">0</span>

        </div>
        <div class="buttonBox">
            <a href="index.html">Start
Again</a>        
            <a href="review.html">Review Solutions</a>
        </div>
    </div>




</body>
<script src="js/jquery-3.5.1.min.js"></script>
<script src="js/quiz.js"></script>
<script src="js/script.js"></script>

</html>
```

Source Code of HTML Review:-

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Review</title>
    <link rel="stylesheet" href="style.css"/>
</head>
<body>
    <div class="container1">
        <div class="title">
        <h1><b>Solutions</b></h1></div>

        <h3>1. Which of the following JavaScript cannot do?</h3>
        <h4>Ans. All of the Above</h4>
        <br/>
        <br/>

        <h3>2. _________ keyword is used to declare variables in
javascript.</h3>
        <h4>Ans. Var</h4>
        <br/>
        <br/>

        <h3>3. In JavaScript the x===y statement implies that:</h3>
        <h4>Ans. Both are equal in the value and data type.</h4>
        <br/>
        <br/>

        <h3>4. Whats so great about XML?</h3>
        <h4>Ans. Both</h4>
        <br/>
        <br/>

        <h3>5. In the JavaScript, which one of the following is not considered
as an error:</h3>
        <h4>Ans. Division by zero</h4>
        <br>
        <br>
        <div class="buttonBox">
            <a href="index.html">Back to Home</a></div>
    </div>
</body>
</html>
```

Source Code of CSS Style:-

```
@import
url("https://fonts.googleapis.com/css2?family=Open+Sans:wght@300&display=swap"
);

*{
    margin: 0;
    padding:0;
    box-sizing: border-box;
}

body {
    font-family: 'sans-serif', sans-serif;
    background-image: url("https://media.istockphoto.com/photos/dark-blue-
stained-grungy-background-or-texture-picture-
id1132593892?k=6&m=1132593892&s=612x612&w=0&h=kdFpYAbe0jAnckEYkZdNWUVYbNdKXGxH
a1rd8joRZEg=");
    background-size: cover;
    display: flex;
    justify-content: center;
    align-items: center;
    min-height: 100vh;
}
.container{
    width: 750px;
    background-color: rgb(202, 167, 53);
    box-shadow:0 0 50px 0 rgba(0,0, 0, 0.2);
    min-height: 350px;
    padding:50px 50px ;
    border-radius: 10px;
    display:flex;
}
.leftSide,
.rightSide{
    width: 50%;
}
.leftSide img{
    height:300px;
    width:300px;
}
.rightSide h1{
    color:#201414;
    font-size: 32px;
}
.rightSide h2{
    color: #444 ;
    margin:20px auto 10px;
```

```
    font-size:25px;
}
.rightSide ul{
    color: #444 ;
    font-size:18px;
    margin-top:600;
    list-style-type: circle;
    list-style-position: inside;

}
.rightSide ul li{
    margin-top: 5px;
}
.rightSide a{
    background-color: #dbd9d9;
    border-radius: 100px;
    color:rgb(46, 40, 40);
    font-weight:600;
    width:100%;
    display:inline-block;
    text-align: center;
    padding:15px 0;
    margin-top:25px;
    text-decoration: none;
    outline:none;

}
.box{
    background-color:antiquewhite;
    border-radius: 10px;
    box-shadow:0 0 50px 0 rgba(0,0, 0, 0.2);
    min-height: 350px;
    width:540px;
    padding:50px;
}
.title{
    border-bottom: 1px solid #464646;
    color:#464646;
    padding-bottom:10px;
    margin-bottom:20px;
    font-weight:600;
    font-size:24px;
}

.optionBox span{
    background-color:rgb(219, 222, 223);
    border-radius: 10px;
    color:rgb(32, 28, 28);
```

```
    border:1px solid,#444;
    padding:10px 15px;


}
.header{
    margin-bottom: 30px;
    display:flex;
    justify-content:space-between ;
}
.scoreBox{
    border-radius: 100px;
    padding:10px 15px;
    border:1px solid #444;
    color:#444;
}
.questionBox{
    background-color: rgb(219, 222, 223);
    color:rgb(32, 28, 28);
    border-radius: 10px;
    padding:10px 15px;
}
.optionBox{
    display: grid;
    grid-template-columns: 1fr 1fr;
    margin: 30px 0;
    grid-gap:15px;
}
.footer{
    display: flex;
    justify-content: space-between;
}
.footer button{
    background-color: #1da3dd;
    border-radius: 5px;
    padding:7px 15px;
    color:#fff;
    border:0;
    outline:none;
    font-size: 20px;
}
.resultBox{
    margin-bottom: 30px;
    display: grid;
    grid-template-columns: 1fr 1fr;
    grid-row-gap:15px;
    font-size:20px
}
```

```css
.resultBox *:nth-child(odd){
    text-align:right;
}
.resultBox span{
    font-weight: 600;
}
.buttonBox{


    text-align:center;
}
.buttonBox a{
    background-color:#1da3dd;
    border-radius: 50px;
    border:0;
    text-decoration: none;
    color:#fff;
    outline: none;
    padding: 7px 15px;
    margin-top: 30px;
    display: inline-block;
}
.optionBox span.right{
    background-color: rgb(74, 206, 57);
    border-color: chartreuse;
    color:cornsilk;
}
.optionBox span.wrong{
    background-color: crimson;
    border-color:crimson;
    color:cyan;
}
.container1{
    background-color: antiquewhite;
    padding:50px;
    border-radius: 10px;

}
span:hover{
    background-color: rgb(241, 241, 79);
}


@media screen and (max-width:768px){
    .leftSide{
        display: none;
    }
    .container{
        width: 425px;
```

```
    }
    .rightSide{
        width:100px;
    }
    .optionBox{
        grid-template-columns: 1fr;
    }
}
```

Source Code of JavaScript Quiz:-

```
let quiz=[
    {
        question:"Which of the following JavaScript cannot do?",
        option:[
            "1.JavaScript can react to events",
            "2.JavaScript can manipulate HTML elements",
            "3.JavaScript can be use to validate data",
            "4.All of the Above",
        ],
        answer:4,
    },
    {
        question:" _________ keyword is used to declare variables in
javascript.",
        option:[
            "1.Var",
            "2.Dim",
            "3.String",
            "4.None of the Above",

        ],
        answer:1,
    },
    {
        question:"In JavaScript the x===y statement implies that:",
        option:[
            "1.Both x and y are equal in value, type and reference address as
well.",
            "2.Both are x and y are equal in value only.",
            "3.Both are equal in the value and data type.",
           "4.Both are not same at all.",
        ],
        answer:3,
    },
    {
        question:"Whats so great about XML?",
        option:[
            "1.Easy data exchange",
            "2.High speed on network ",
            "3.Both",
            "4.None",
        ],
        answer:3,
```

```
    },
    {
        question:"In the JavaScript, which one of the following is not
considered as an error:",
        option:[
            "1.Syntax error",
            "2.Missing of semicolons",
            "3.Division by zero",
            "4.Missing of Bracket",
        ],
        answer:3,
    }
]
```

Source Code of JavaScript Functions:-

```
let index=0;
let attempt= 0;
let score = 0;
let wrong =0;


let questions=quiz.sort(function(){
   return 0.5 - Math.random();
});

let totalQuestion = questions.length;

$(function(){
  //printing question
  printQuestion(index);
});

//this is the function to print question part
function printQuestion(i){

    $(".questionBox").text(questions[i].question);
    $(".optionBox span").eq(0).text(questions[i].option[0]);
    $(".optionBox span").eq(1).text(questions[i].option[1]);
    $(".optionBox span").eq(2).text(questions[i].option[2]);
    $(".optionBox span").eq(3).text(questions[i].option[3]);

}

function checkAnswer(option) {
  attempt ++;

  let optionClicked = $(option).data("opt");


  if(optionClicked == questions[index].answer) {
    $(option).addClass("right");
    score++;
  }
  else{
    $(option).addClass("wrong");
    wrong++;
  }
  $(".scoreBox span").text(score);

  $(".optionBox span").attr("onclick","");
}
```

```
function showNext(){
  if(index >= questions.length-1) {
    showResult(0);
    return;
  }
  index++;

  $(".optionBox span").removeClass();
  $(".optionBox span").attr("onclick","checkAnswer(this)");
  printQuestion(index);

}

function showResult(j){

  if(j==1 && index < questions.length-1 && !confirm(
      "Test is not yet finished. Press OK to end the test")
  ) {
    return;
  }
result();
}

function result() {
  $("#questionScreen").hide();
  $("#resultScreen").show();

  $("#totalQuestion").text(totalQuestion);
  $("#attemptQuestion").text(attempt);
  $("#correctAnswers").text(score);
  $("#wrongAnswers").text(wrong);
}
```

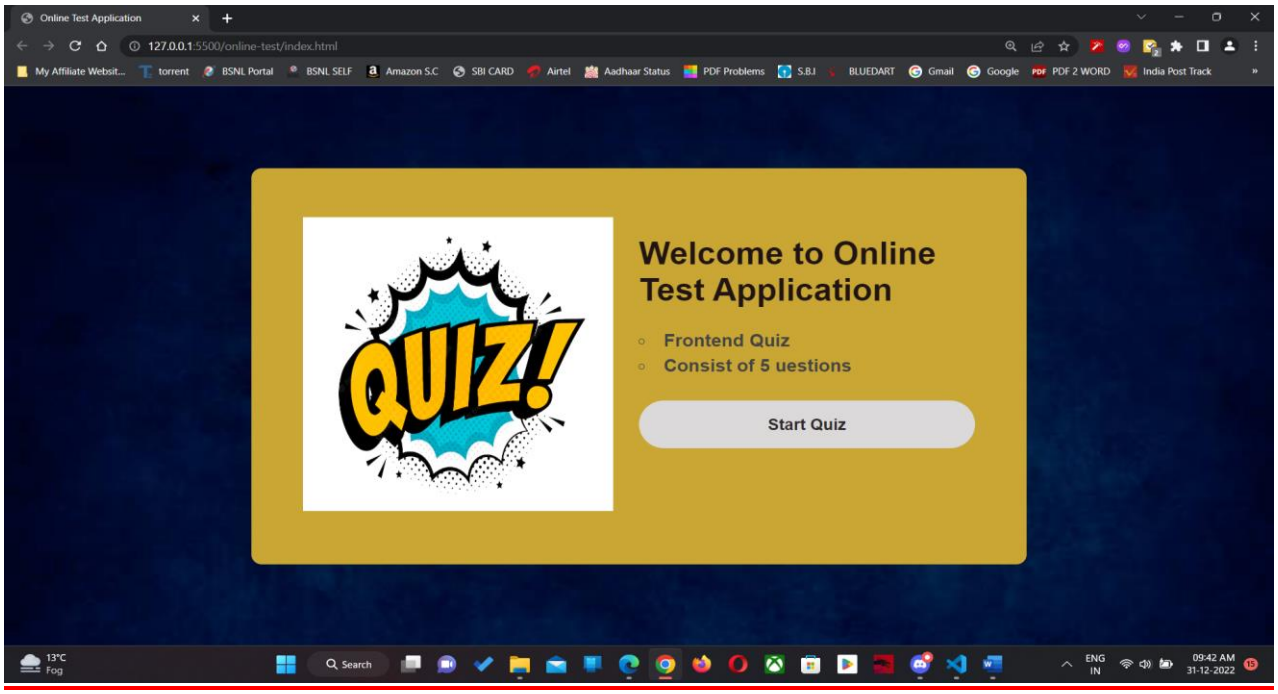
Source Code of JavaScript tilt.min:-

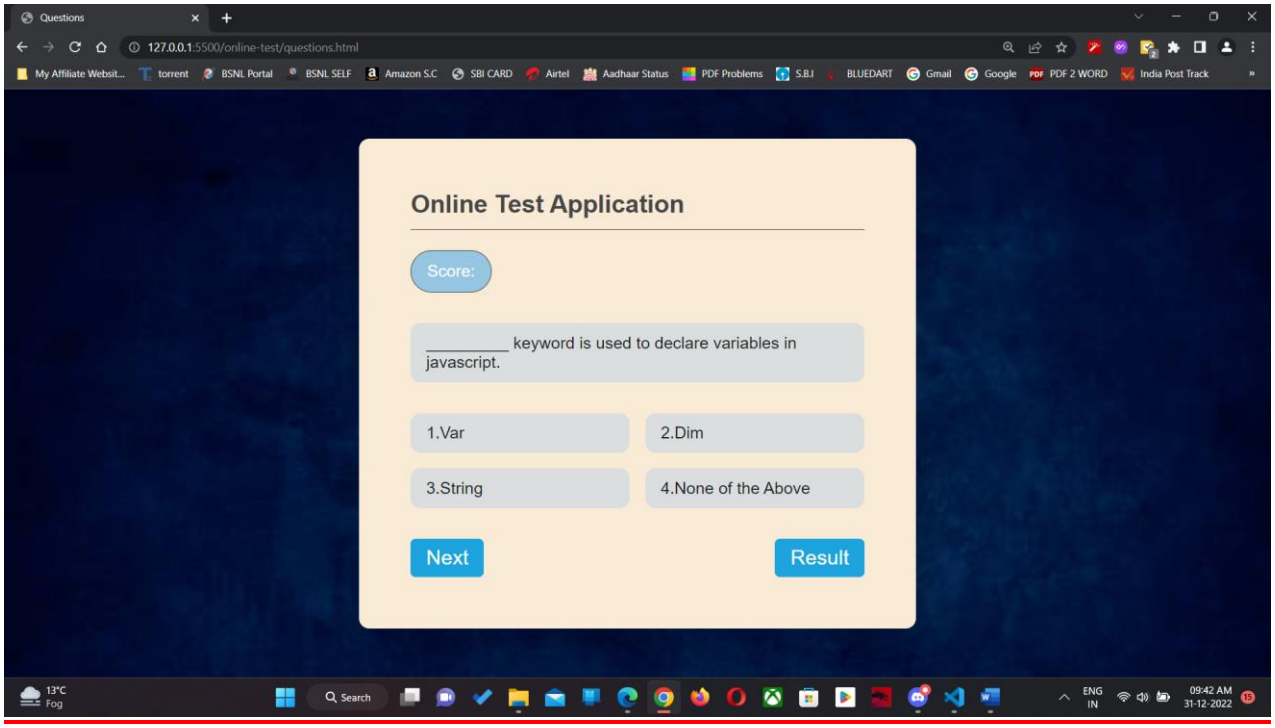
```
"use strict"; var _typeof = "function" == typeof Symbol && "symbol" == typeof
Symbol.iterator ? function (t) {
    return typeof t
}
    : function (t) {
        return t && "function" == typeof Symbol && t.constructor === Symbol &&
t !== Symbol.prototype ? "symbol" : typeof t
    };
!function (t) {
    "function" == typeof define && define.amd ? define(["jquery"], t) :
"object" === ("undefined" == typeof module ? "undefined" : _typeof(module)) &&
module.exports ? module.exports = function (i, s) {
        return void 0 === s && (s = "undefined" != typeof window ?
require("jquery") : require("jquery")(i)), t(s), s
    } :
        t(jQuery)
}
    (
        function (t) {
            return t.fn.tilt = function (i) {
                var s = function () {
                    this.ticking || (requestAnimationFrame(g.bind(this)),
this.ticking = !0)
                },
                    e = function () {
                        var i = this; t(this).on("mousemove", o),
t(this).on("mouseenter", a), this.settings.reset && t(this).on("mouseleave",
l), this.settings.glare && t(window).on("resize", d.bind(i))
                    },
                    n = function () {
                        var i = this; void 0 !== this.timeout &&
clearTimeout(this.timeout), t(this).css({ transition: this.settings.speed +
"ms " + this.settings.easing }),
                            this.settings.glare && this.glareElement.css(
                                {
                                    transition: "opacity " +
this.settings.speed + "ms " + this.settings.easing
                                }),
                            this.timeout = setTimeout(function () {
                                t(i).css({ transition: "" }), i.settings.glare
&& i.glareElement.css({
                                    transition: ""
                                })
                            },
                                this.settings.speed)
                    },
```

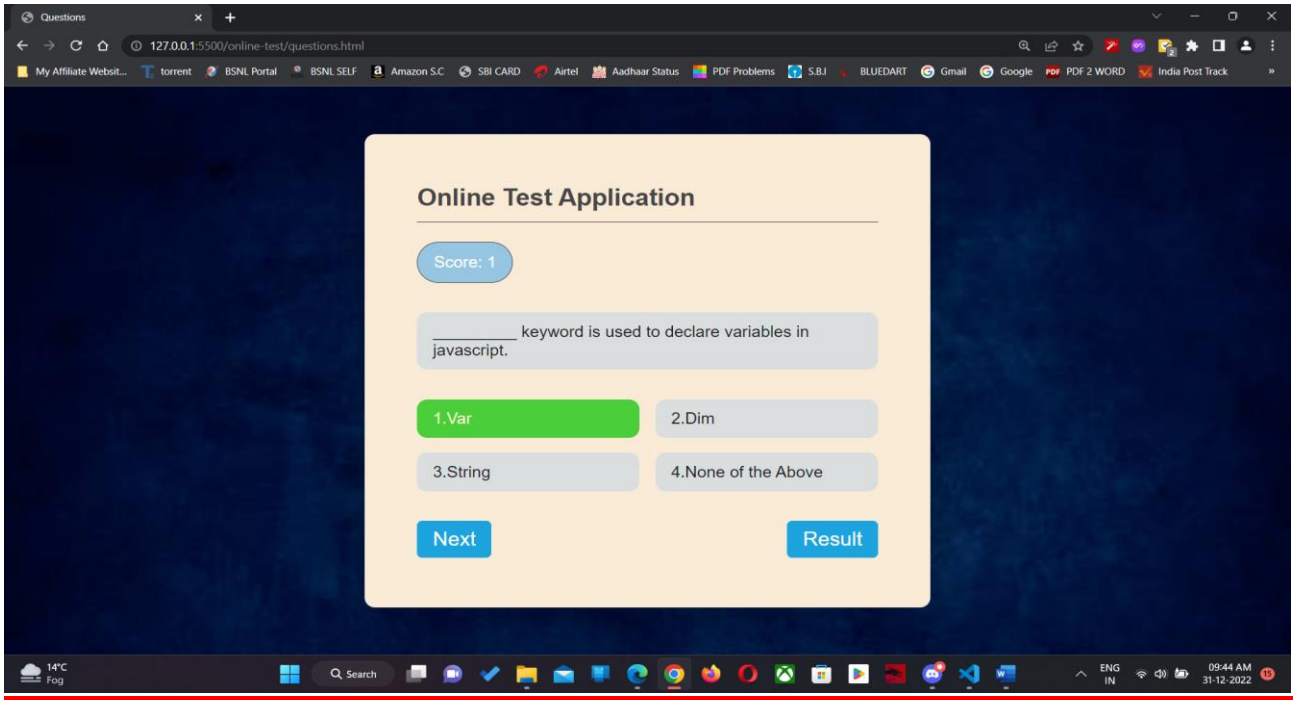
```
                    a = function (i) {
                        this.ticking = !1, t(this).css({
                            "will-change": "transform"
                        }),
                            n.call(this), t(this).trigger("tilt.mouseEnter")
                    },
                    r = function (i) {
                        return "undefined" == typeof i && (i = { pageX:
t(this).offset().left + t(this).outerWidth() / 2, pageY: t(this).offset().top
+ t(this).outerHeight() / 2 }), { x: i.pageX, y: i.pageY }
                    }, o = function (t) { this.mousePositions = r(t),
s.call(this) }, l = function () { n.call(this), this.reset = !0, s.call(this),
t(this).trigger("tilt.mouseLeave") }, h = function () { var i =
t(this).outerWidth(), s = t(this).outerHeight(), e = t(this).offset().left, n
= t(this).offset().top, a = (this.mousePositions.x - e) / i, r =
(this.mousePositions.y - n) / s, o = (this.settings.maxTilt / 2 - a *
this.settings.maxTilt).toFixed(2), l = (r * this.settings.maxTilt -
this.settings.maxTilt / 2).toFixed(2), h = Math.atan2(this.mousePositions.x -
(e + i / 2), -(this.mousePositions.y - (n + s / 2))) * (180 / Math.PI); return
{ tiltX: o, tiltY: l, percentageX: 100 * a, percentageY: 100 * r, angle: h }
}, g = function () { return this.transforms = h.call(this), this.reset ?
(this.reset = !1, t(this).css("transform", "perspective(" +
this.settings.perspective + "px) rotateX(0deg) rotateY(0deg)"), void
(this.settings.glare && (this.glareElement.css("transform", "rotate(180deg)
translate(-50%, -50%)"), this.glareElement.css("opacity", "0")))) :
(t(this).css("transform", "perspective(" + this.settings.perspective + "px)
rotateX(" + ("x" === this.settings.disableAxis ? 0 : this.transforms.tiltY) +
"deg) rotateY(" + ("y" === this.settings.disableAxis ? 0 :
this.transforms.tiltX) + "deg) scale3d(" + this.settings.scale + "," +
this.settings.scale + "," + this.settings.scale + ")"), this.settings.glare &&
(this.glareElement.css("transform", "rotate(" + this.transforms.angle + "deg)
translate(-50%, -50%)"), this.glareElement.css("opacity", "" +
this.transforms.percentageY * this.settings.maxGlare / 100)),
t(this).trigger("change", [this.transforms]), void (this.ticking = !1)) }, c =
function () { var i = this.settings.glarePrerender; if (i ||
t(this).append('<div class="js-tilt-glare"><div class="js-tilt-glare-
inner"></div></div>'), this.glareElementWrapper = t(this).find(".js-tilt-
glare"), this.glareElement = t(this).find(".js-tilt-glare-inner"), !i) { var s
= { position: "absolute", top: "0", left: "0", width: "100%", height: "100%"
}; this.glareElementWrapper.css(s).css({ overflow: "hidden", "pointer-events":
"none" }), this.glareElement.css({ position: "absolute", top: "50%", left:
"50%", "background-image": "linear-gradient(0deg, rgba(255,255,255,0) 0%,
rgba(255,255,255,1) 100%)", width: "" + 2 * t(this).outerWidth(), height: "" +
2 * t(this).outerWidth(), transform: "rotate(180deg) translate(-50%, -50%)",
"transform-origin": "0% 0%", opacity: "0" }) } }, d = function () {
this.glareElement.css({ width: "" + 2 * t(this).outerWidth(), height: "" + 2 *
t(this).outerWidth() }) }; return t.fn.tilt.destroy = function () {
t(this).each(function () { t(this).find(".js-tilt-glare").remove(),
```

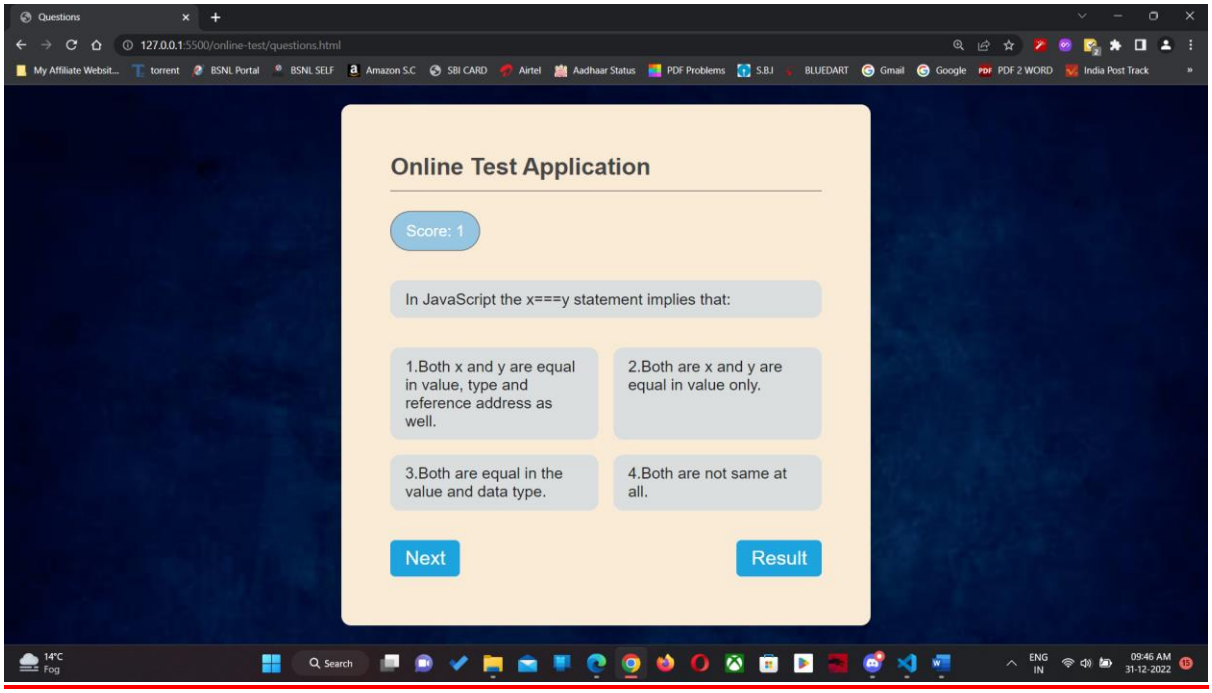
```
t(this).css({ "will-change": "", transform: "" }), t(this).off("mousemove
mouseenter mouseleave") }) }, t.fn.tilt.getValues = function () { var i = [];
return t(this).each(function () { this.mousePositions = r.call(this),
i.push(h.call(this)) }), i }, t.fn.tilt.reset = function () {
t(this).each(function () { var i = this; this.mousePositions = r.call(this),
this.settings = t(this).data("settings"), l.call(this), setTimeout(function ()
{ i.reset = !1 }, this.settings.transition) }) }, this.each(function () {
                        var s = this; this.settings = t.extend({ maxTilt:
t(this).is("[data-tilt-max]") ? t(this).data("tilt-max") : 20, perspective:
t(this).is("[data-tilt-perspective]") ? t(this).data("tilt-perspective") :
300, easing: t(this).is("[data-tilt-easing]") ? t(this).data("tilt-easing") :
"cubic-bezier(.03,.98,.52,.99)", scale: t(this).is("[data-tilt-scale]") ?
t(this).data("tilt-scale") : "1", speed: t(this).is("[data-tilt-speed]") ?
t(this).data("tilt-speed") : "400", transition: !t(this).is("[data-tilt-
transition]") || t(this).data("tilt-transition"), disableAxis:
t(this).is("[data-tilt-disable-axis]") ? t(this).data("tilt-disable-axis") :
null, axis: t(this).is("[data-tilt-axis]") ? t(this).data("tilt-axis") : null,
reset: !t(this).is("[data-tilt-reset]") || t(this).data("tilt-reset"), glare:
!!t(this).is("[data-tilt-glare]") && t(this).data("tilt-glare"), maxGlare:
t(this).is("[data-tilt-maxglare]") ? t(this).data("tilt-maxglare") : 1 }, i),
null !== this.settings.axis && (console.warn("Tilt.js: the axis setting has
been renamed to disableAxis. See https://github.com/gijsroge/tilt.js/pull/26
for more information"), this.settings.disableAxis = this.settings.axis),
this.init = function () { t(s).data("settings", s.settings), s.settings.glare
&& c.call(s), e.call(s) },
                            this.init()
                    })
            }, t("[data-tilt]").tilt(), !0
        });
```

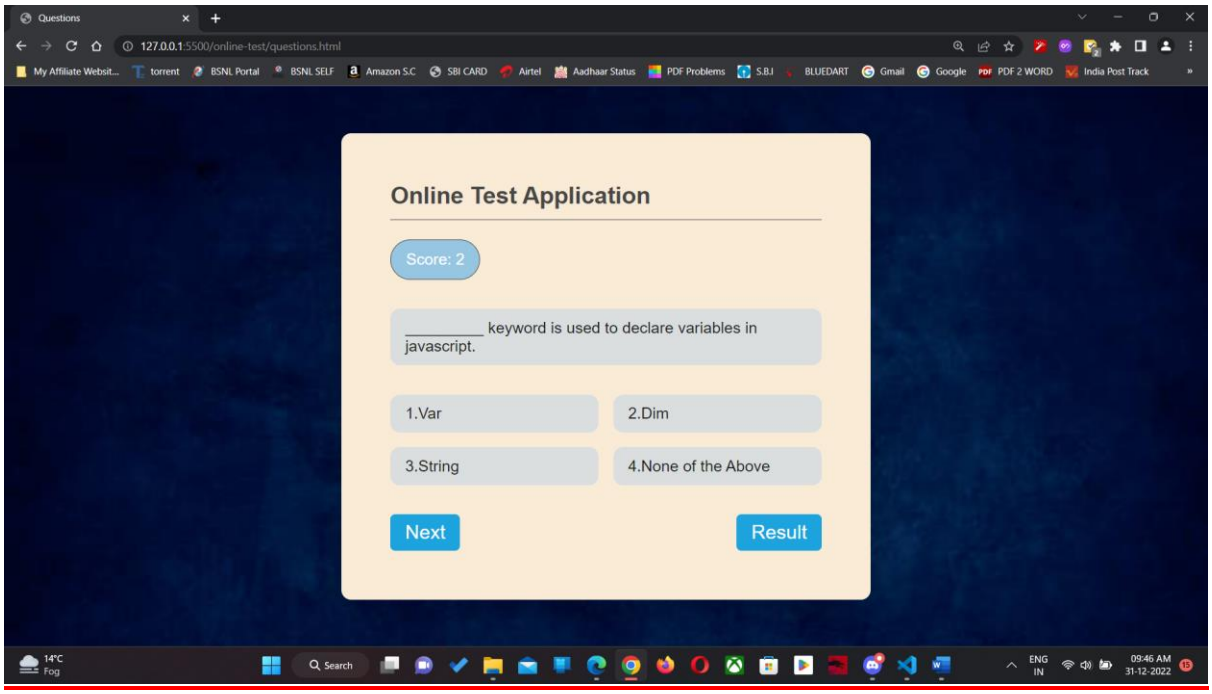
Screen-Shots of Project Online Quiz :-

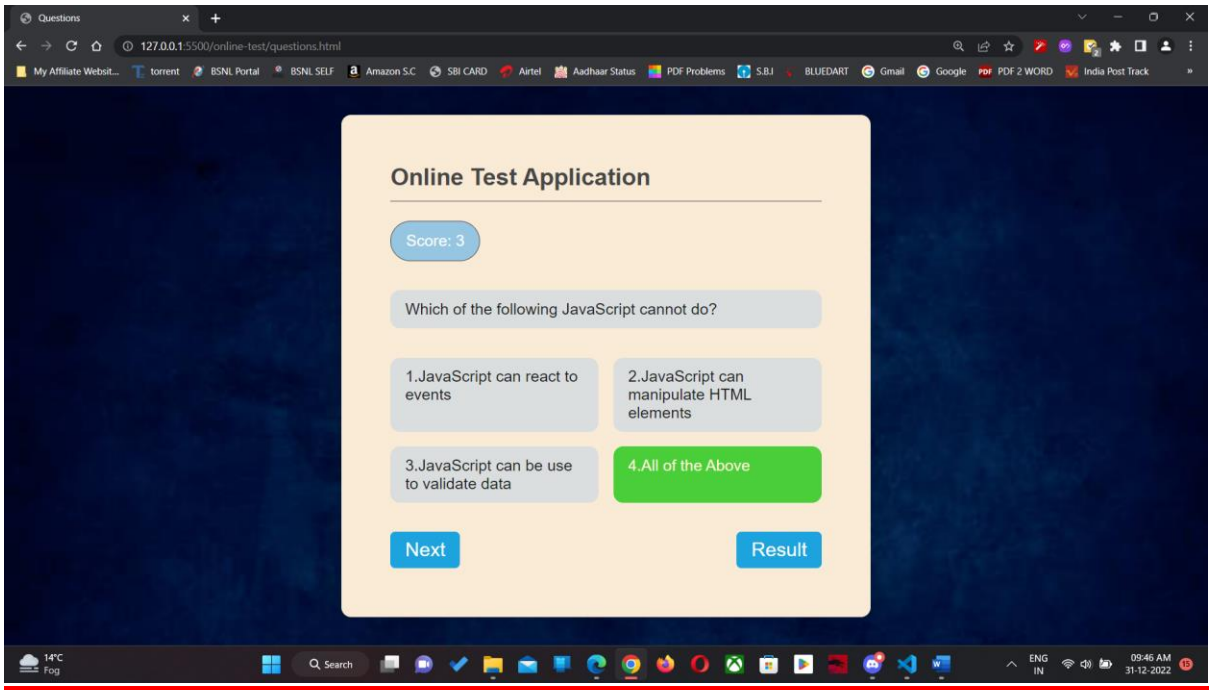


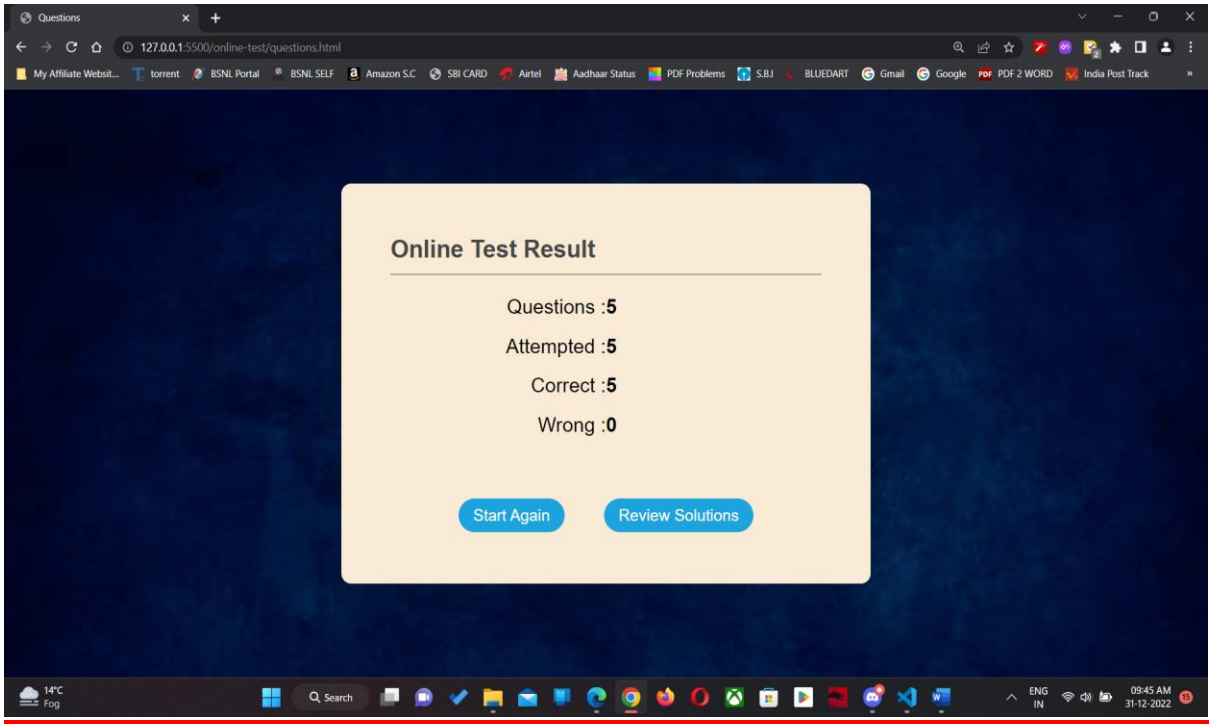



Questions
127.0.0.1:5500/online-test/questions.html
Online Test Application
Score: 1
_____ keyword is used to declare variables in javascript.
1.Var
2.Dim
3.String
4.None of the Above
Next
Result


Questions
127.0.0.1:5500/online-test/questions.html
Online Test Application
Score: 1
In JavaScript the x===y statement implies that:
1.Both x and y are equal in value, type and reference address as well.
2.Both are x and y are equal in value only.
3.Both are equal in the value and data type.
4.Both are not same at all.
Next
Result


Questions
127.0.0.1:5500/online-test/questions.html
Online Test Application
Score: 2
_____ keyword is used to declare variables in javascript.
1.Var
2.Dim
3.String
4.None of the Above
Next
Result


Questions
127.0.0.1:5500/online-test/questions.html
Online Test Application
Score: 3
Which of the following JavaScript cannot do?
1.JavaScript can react to events
2.JavaScript can manipulate HTML elements
3.JavaScript can be use to validate data
4.All of the Above
Next
Result


Questions
127.0.0.1:5500/online-test/questions.html
Online Test Result
Questions :5
Attempted :5
Correct :5
Wrong :0
Start Again
Review Solutions