

Source Code of Project Online Test Application.

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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">
      
    </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>
```

[illegible]

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
}
```

```

.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)
            },
            ,
            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.mousePosition = 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.mousePosition.x - e) / i,
                r =
                (this.mousePosition.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.mousePosition.x -
                (e + i / 2), -(this.mousePosition.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(),

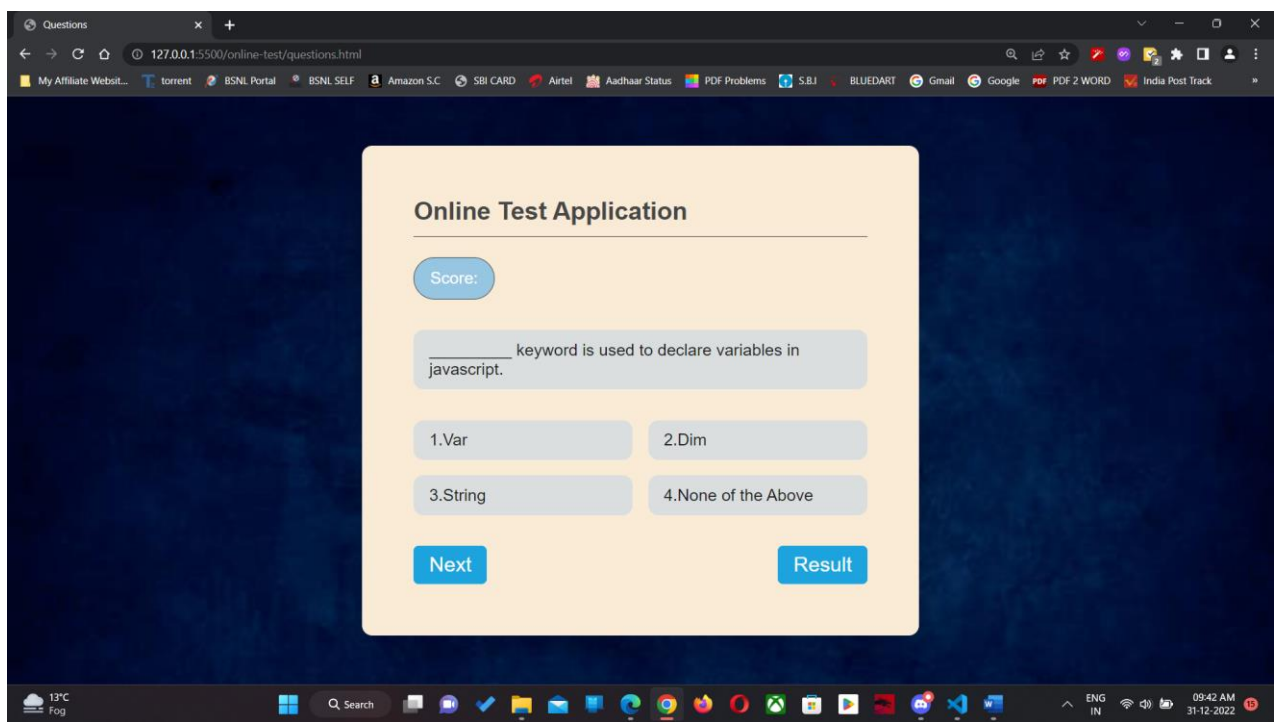
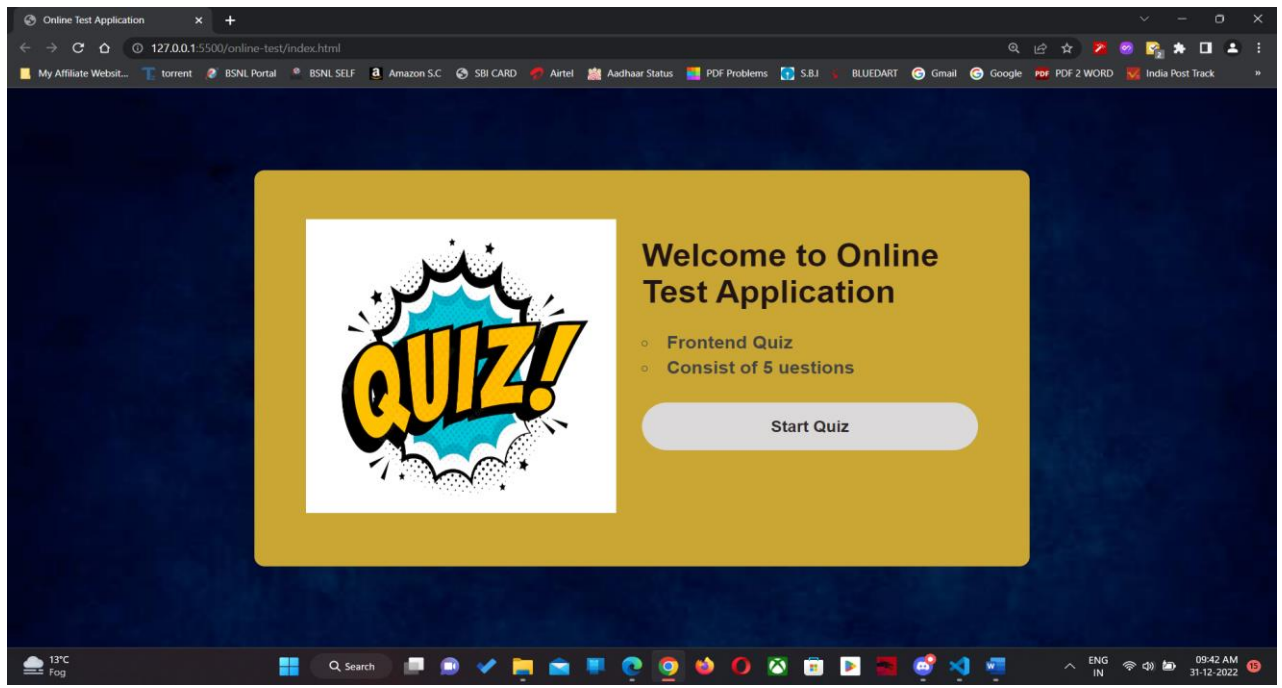
```

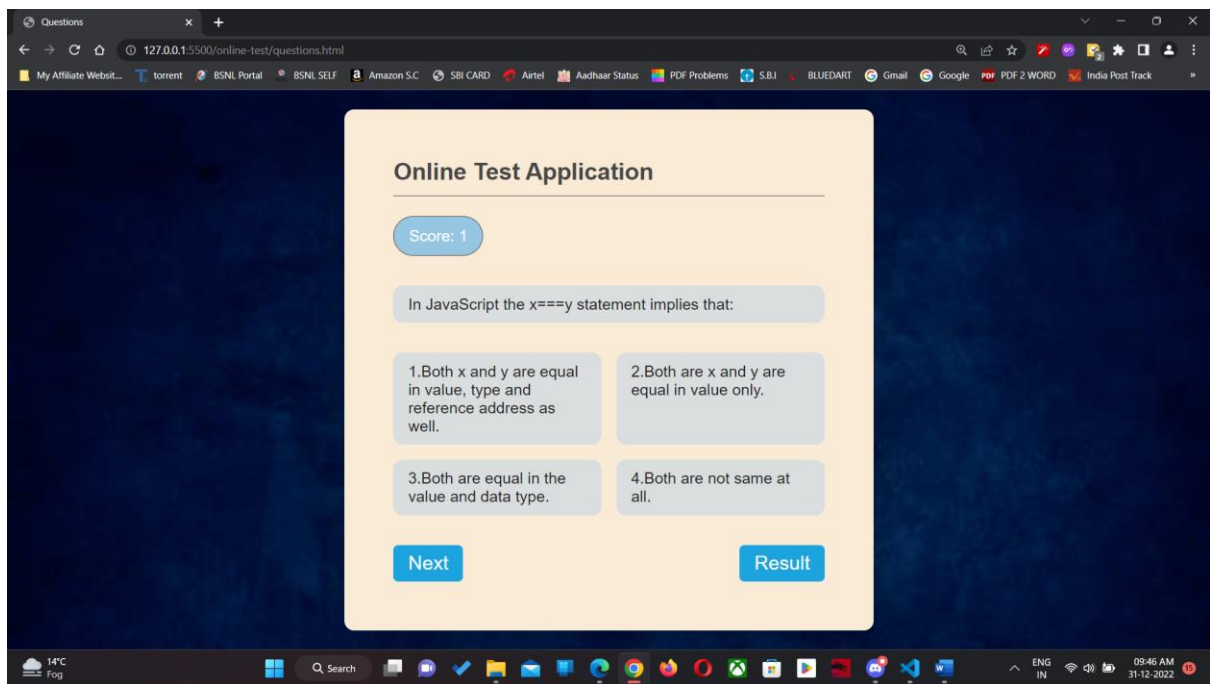
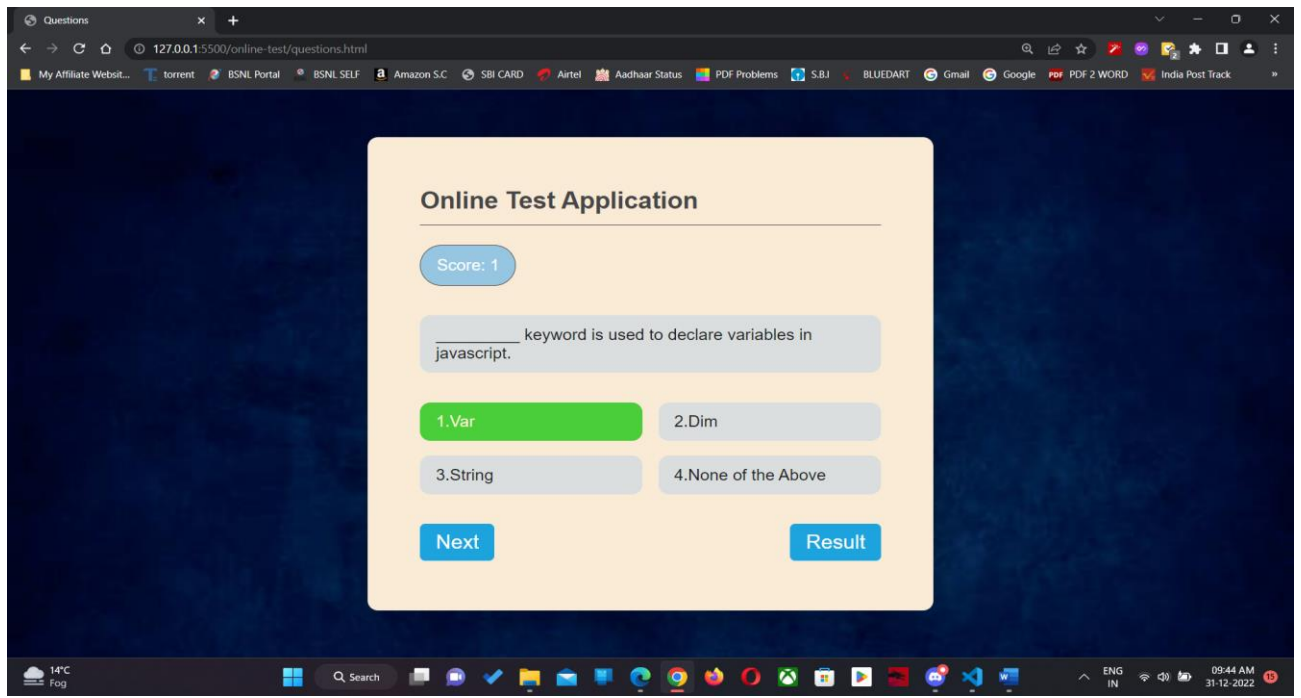
```

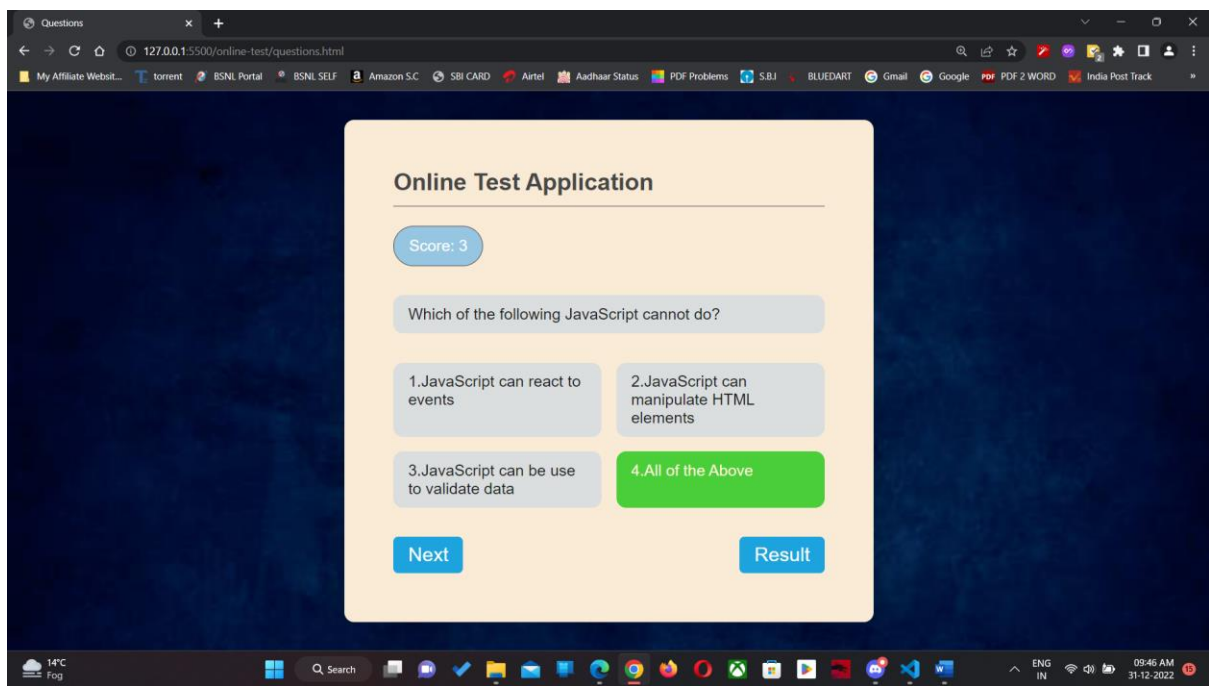
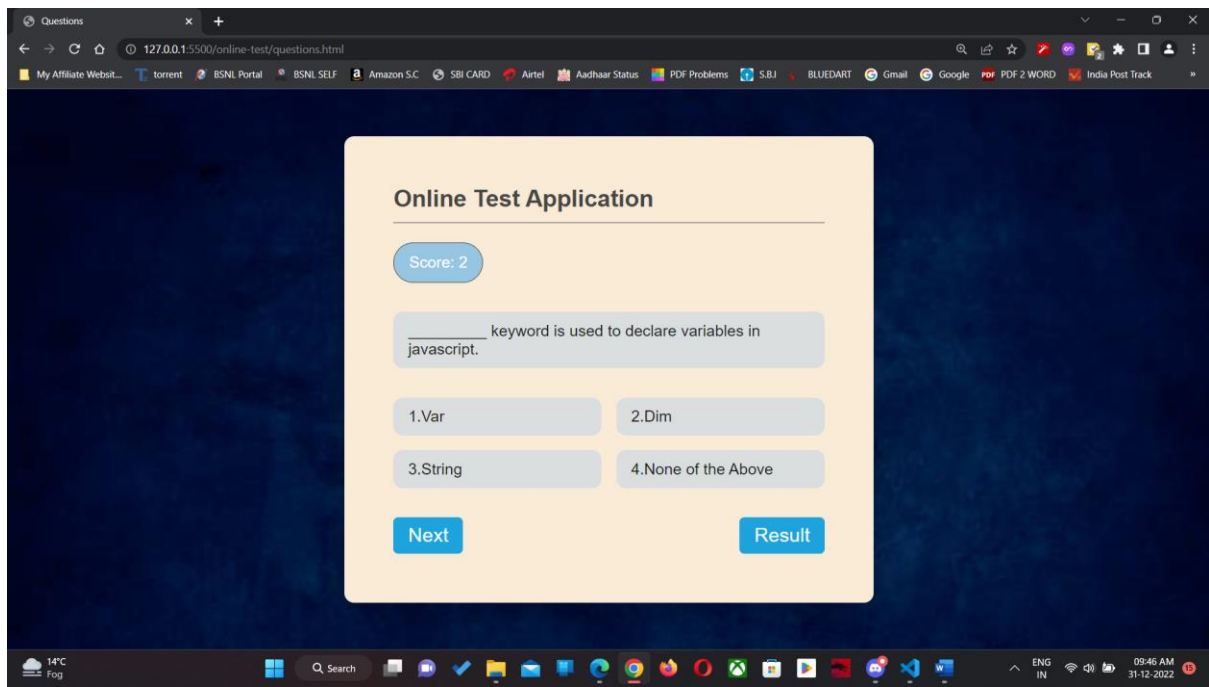
t(this).css({ "will-change": "", transform: "" }), t(this).off("mousemove
mouseenter mouseleave") }), t.fn.tilt.getValues = function () { var i = [];
return t(this).each(function () { this.mousePosition = r.call(this),
i.push(h.call(this)) }), i }, t.fn.tilt.reset = function () {
t(this).each(function () { var i = this; this.mousePosition = 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


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Online Test Result

Questions :5
Attempted :5
Correct :5
Wrong :0

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