

Source Code of Project

1]. HTML Code

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

<head>

    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
    integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">

    <link rel="stylesheet" href="style.css">
    <title>PRAJVAL BHALE</title>
</head>

<body>
    <h1 class="head">Online Quiz Application</h1>
    <div class="start_quiz"><button type="submit">Start Quiz</button></div>
    <div class="info_box">
        <div class="info_title">
            <span>Rules of This Quiz</span>

        </div>
        <div class="list">
            <div class="info">1. All Question are not Required</div>
            <div class="info">2. Each Question Contain's 2 Mark</div>
            <div class="info">3. Each Wrong Answer will Deduct one Correct
Answer</div>
            <div class="info">4. Best of Luck</div>
        </div>
        <div class="buttons">
            <button class="exit_quiz">Exit</button>
            <button class="continue_quiz">Continue</button>
        </div>
    </div>
</div>
<div class="quiz_box">
    <section>
        <div class="que">
```

```

        <!-- <span>What Does HTML Stand's For?</span> -->
    </div>
    <div class="option_list">
        <!-- <div class="option">
            <span>Hiper Text Markup Language</span>
            <div class="icon tick"><i class="fas fa-check"></i></div>
        </div>
        <div class="option">
            <span>Hiper Text Processor</span>
            <div class="icon cross"><i class="fas fa-times"></i></div>
        </div>
        <div class="option">
            <span>Hiper Text Processor</span>
            <div class="icon cross"><i class="fas fa-times"></i></div>
        </div>
        <div class="option">
            <span>Hiper Text Processor</span>
            <div class="icon cross"><i class="fas fa-times"></i></div>
        </div> -->
    </div>

</section>
<footer>
    <div class="total_que">
        <!-- <span>
            <p>2</p>of<p>5</p>Question
        </span> -->
    </div>
    <button class="next_btn">Next Question</button>
</footer>
</div>

<!--result-->
<div class="result_box">
    <div class="icon">
        <i class="fas fa-crown"></i>
    </div>
    <div class="complete_text">You Have Completed the Quiz!</div>
    <div class="score_text">
        <!-- <span>and Sorry you got only <p>2</p>Out of <p>5</p></span> -
->
    </div>
    <div class="buttons">
        <button class="continue_quiz">Take Again</button>
        <button class="exit_quiz">Exit</button>
    </div>
</div>
<script src="js/javascr.js"></script>

```

```
<script src="js/que.js"></script>  
  
</body>  
  
</html>
```

2]. CSS Code

```
.head{
  color: green;
  padding: 200px 450px;
}

body{
  background: #7bff7b;
}

.start_quiz,
.info_box,
.quiz_box,
.result_box{
  position: absolute;
  top: 50%;
  left: 50%;
  transform: translate(-50%, -50%);
}

.start_quiz button{
  font-size: 25px;
  font-weight: 500;
  font-family: Georgia, serif;
  color: black;
  padding: 15px 30px;
  outline: none;
  border: none;
  border-radius: 5px;
  background: violet;
  cursor: pointer;
}

.info_box{
  width: 540px;
  background: #fff;
  border-radius: 5px;
  opacity: 0;
  pointer-events: none;
  transform: translate(-50%, -50%) scale(0.9);
}

.info_box .info_title {
  height: 60px;
  width: 100%;
  border-bottom: 1px solid lightgray;
}
```

```
    display: flex;
    align-items: center;
    padding: 0 45px;
    font-size: 20px;
    font-weight: 600;
}

.info_box.activeInfo,
.quiz_box.activeQuiz,
.result_box.activeResult{
    z-index: 5;
    opacity: 1;
    pointer-events: auto;
    transform: translate(-50%, -50%) scale(1);
}

.info_box .list{
    padding: 15px 35px;
}

.info_box .list .info{
    margin: 7px 0;
    font-size: 17px;
}

.info_box .buttons{
    height: 60px;
    display: flex;
    align-items: center;
    justify-content: flex-end;
    padding: 0 35px;
    border-top: 1px solid lightgray;
}

.info_box .buttons button{
    margin: 0 5px;
    height: 40px;
    width: 100px;
    border: 1px solid transparent;
    cursor: pointer;
    border-radius: 5px;
    color: #fff;
    font-size: 16px;
    font-weight: 500;
    transition: all 0.3s ease;
}

.buttons button.continue_quiz{
```

```
    outline: none;
    color: #fff;
    background: violet;
}

.buttons button.continue_quiz:hover{
    background: #7bff7b;
}

.buttons button.exit_quiz{
    color: #007bff;
}

.buttons button.exit_quiz:hover{
    background: #7bff7b;
}

.quiz_box{
    width: 550px;
    background: #fff;
    border-radius: 5px;
    margin: 0 35px;
    opacity: 0;
    pointer-events: none;
    transform: translate(-50%, -50%) scale(0.9);
}

.quiz_box section{
    padding: 25px 30px 20px 30px;
    background: #fff;
}

.quiz_box section .que{
    font-size: 25px;
    font-weight: 600;
}

.quiz_box section .option_list{
    padding: 20px 0;
    display: block;
}

section .option_list .option{
    background: aliceblue;
    border: 1px solid #84c5fe;
    border-radius: 5px;
    padding: 8px 15px;
    margin-bottom: 15px;
}
```

```
display: flex;
align-items: center;
justify-content: space-between;
cursor: pointer;
transition: all 0.3s ease;
}

section .option_list .option:hover{
color: #004085;
background: #cce5ff;
border-color: #b8daff;
}

.option_list .option:last-child{
margin-bottom: 0px;
}

.option_list .option .icon{
height: 26px;
width: 26px;
border: 2px solid transparent;
border-radius: 50%;
text-align: center;
font-size: 13px;
line-height: 24px;
pointer-events: none;
}

.option_list .option .icon.tick{
color: #155724;
border-color: #d4edda;
background: #155724;
}

.option_list .option.correct{
color: #155724;
border-color: #d4edda;
background: #c3e6cb;
}

.option_list .option.incorrect{
color: #721c24;
border-color: #f8d7da;
background: #f5c6cb;
}

.option_list .option .icon.cross{
color: #a42834;
```

```
border-color: #f8d7da;
background: #a42834;
}

.option_list .option.disabled{
  pointer-events: none;
}

.quiz_box footer{
  height: 60px;
  width: 100%;
  padding: 0 30px;
  display: flex;
  align-items: center;
  justify-content: space-between;
}

.quiz_box footer .total_que span{
  display: flex;
  user-select: none;
}

footer .total_que span p{
  font-weight: 500;
  padding: 0 5px;
}

.total_que span p:first-child{
  padding-left: 0px;
}

footer .next_btn{
  display: none;
  height: 40px;
  padding: 0 14px;
  font-size: 18px;
  font-weight: 400;
  border: none;
  outline: none;
  color: #fff;
  background: #007bff;
  border-radius: 5px;
  border: 1px solid #007bff;
  cursor: pointer;
  transition: all 0.3s ease;
}
```



```
footer .next_btn:hover{
    background: #0263ca;
}

.result_box{
    background: #fff;
    width: 450px;
    padding: 25px 30px;
    border-radius: 5px;
    display: flex;
    text-align: center;
    align-items: center;
    flex-direction: column;
    justify-content: space-between;
    opacity: 0;
    pointer-events: none;
    transform: translate(-50%, -50%) scale(0.9);
}

.result_box .icon{
    font-size: 100px;
    color: #007bff;
    margin-bottom: 10px;
}

.result_box .complete_text{
    font-size: 20px;
    font-weight: 500;
}

.result_box .score_text span{
    display: flex;
    margin: 10px 0;
    font-size: 18px;
    font-weight: 500;
}

.score_text span p{
    font-weight: 600;
    padding: 0 4px;
}

.result_box .buttons{
    display: flex;
    margin: 20px 0;
}
```

```
.result_box .buttons button{
  margin: 0 10px;
  height: 40px;
  padding: 0 20px;
  border: none;
  outline: none;
  font-size: 18px;
  font-weight: 500;
  border-radius: 5px;
  border: none;
  cursor: pointer;
  transition: all 0.3s ease;
}
```

3]. CSS Code

2). All validation js folder:

```
const start_quiz = document.querySelector(".start_quiz button");
const info_box = document.querySelector(".info_box");
const exit_btn = document.querySelector(".buttons .exit_quiz");
const continue_btn = document.querySelector(".buttons .continue_quiz");
const quiz_box = document.querySelector(".quiz_box");
const option_list = document.querySelector(".option_list");

//IF WE CLICK ON START BUTTON
start_quiz.onclick = () => {
    info_box.classList.add("activeInfo") //<-- this shows information box
}

//IF WE CLICK ON EXIT BUTTON
exit_btn.onclick = () => {
    info_box.classList.remove("activeInfo") //<-- this will hide the info box
}

//IF WE CLICK ON START BUTTON
continue_btn.onclick = () => {
    info_box.classList.remove("activeInfo") //<-- this will hide the info box
    quiz_box.classList.add("activeQuiz") //<-- this will show the quiz box
    showQue(0);
    BottomQueCount(1);
}

let que_count = 0;
let que_no = 1;
let score = 0;

const next_btn = quiz_box.querySelector(".next_btn");
const result_box = document.querySelector(".result_box");
const continue_quiz = result_box.querySelector(".buttons .continue_quiz");
const exit_quiz = result_box.querySelector(".buttons .exit_quiz");

continue_quiz.onclick = () => {
    quiz_box.classList.add("activeQuiz") //<-- this will hide the info box
    result_box.classList.remove("activeResult") //<-- this will show the quiz
    box

    let que_count = 0;
    let que_no = 1;
    let score = 0;
    showQue(que_count);
    BottomQueCount(que_no);
    next_btn.style.display = "none";
}
```

```

exit_quiz.onclick = () => {
    window.location.reload();
}

next_btn.onclick = () => {
    if (que_count < questions.length - 1) {
        que_count++;
        que_no++;
        showQue(que_count);
        BottomQueCount(que_no);
        next_btn.style.display = "none";
    } else {
        console.log("Question Completed");
        resultBox();
    }
}

//show questions
function showQue(index) {
    const que_text = document.querySelector(".que");

    let que_tag = '<span>' + questions[index].numb + "]. " +
questions[index].question + '</span>';
    let option_tag = '<div class="option"><span>' + questions[index].option[0]
+ '</span></div>'
        + '<div class="option"><span>' + questions[index].option[1] +
'</span></div>'
        + '<div class="option"><span>' + questions[index].option[2] +
'</span></div>'
        + '<div class="option"><span>' + questions[index].option[3] +
'</span></div>';
    que_text.innerHTML = que_tag;
    option_list.innerHTML = option_tag;
    const options = option_list.querySelectorAll(".option");
    for (let i = 0; i < options.length; i++) {
        options[i].setAttribute("onclick", "optionSelected(this)")
    }
}

let tickicon = '<div class="icon tick"><i class="fas fa-check"></i></div>';
let crossicon = '<div class="icon cross"><i class="fas fa-times"></i></div>';
let banicon = '<div class="icon ban"><i class="fas fa-ban"></i></div>';

//this work for selected answer is write or wrong
function optionSelected(answer) {
    let userAns = answer.textContent;
    let correctAns = questions[que_count].answer;

```

```

let remainOption = option_list.children.length;
if (userAns == correctAns) {
    score += 1;
    console.log(score);
    answer.classList.add("correct");
    console.log("Answer is Correct");
    answer.insertAdjacentHTML("beforeend", tickicon);
} else {
    answer.classList.add("incorrect");
    console.log("Wrong Answer");
    answer.insertAdjacentHTML("beforeend", crossicon);

    //this work if answer is incorrect then correct answer will show
    for (let i = 0; i < remainOption; i++) {
        if (option_list.children[i].textContent == correctAns) {
            option_list.children[i].setAttribute("class", "option
correct")
            option_list.children[i].insertAdjacentHTML("beforeend",
tickicon);
        }
    }

    //this work for once option selected remaining options will disabled
    for (let i = 0; i < remainOption; i++) {
        option_list.children[i].classList.add("disabled");
    }
    next_btn.style.display = "block";
}

//this work for to show us result
function resultBox() {
    info_box.classList.remove("activeInfo") //<-- this will hide the info box
    quiz_box.classList.remove("activeQuiz") //<-- this will hide the quiz box
    result_box.classList.add("activeResult") //<-- this will show the result
    box
    const Scoreis = result_box.querySelector(".score_text"); //<-- this will
store and display score
    if (score > 3) {
        let scoreTag = '<span>and Congrats you got <p>' + score + '</p>Out of
<p>' + questions.length + '</p></span>';
        Scoreis.innerHTML = scoreTag;
    } else
        if (score > 1) {
            let scoreTag = '<span>and Nice you got <p>' + score + '</p>Out of
<p>' + questions.length + '</p></span>';
            Scoreis.innerHTML = scoreTag;
        } else {

```

```

        let scoreTag = '<span>and Sorry you got only <p>' + score +
'</p>Out of <p>' + questions.length + '</p></span>';
        Scoreis.innerHTML = scoreTag;
    }
}

//this will show bottom question count
function BottomQueCount(index) {
    const bottom_que_count = quiz_box.querySelector(".total_que");
    let totalQueCountTag = '<span><p>' + index + '</p>of<p>' +
questions.length + '</p>Question</span>'; // + index + '</p>Out of <p>' + +
'</p>Questions</span>';
    bottom_que_count.innerHTML = totalQueCountTag;
}

```

1). Question js folder:

```
let questions =
[
  {
    numb : 1,
    question : "What Does HTML Stand's For?",
    answer : "Hiper Text Markup Language",
    option:
    [
      "Hiper Text Markup Language",
      "Hiper Text Processor",
      "Hiper Text Processor",
      "Hiper Text Processor"
    ]
  },
  {
    numb : 2,
    question : "What Does CSS Stand's For?",
    answer : "Cascade Style Sheet",
    option:
    [
      "Cascade Style Sheet",
      "Cursor Style Sheet",
      "Style Sheet Cascade",
      "Hiper Text Processor"
    ]
  },
  {
    numb : 3,
    question : "What Does SQL Stand's For?",
    answer : "Structured Query Language",
    option:
    [
      "Standard Query Language",
      "Cursor Style Sheet",
      "Style Sheet Cascade",
      "Structured Query Language"
    ]
  },
  {
    numb : 4,
    question : "What Does UPSC Stand's For?",
    answer : "Union Public Service Commision",
    option:
    [
      "Central Union Public Service Commision",
      "Uttar Pradesh Public Commision",
```



```
        "Style Sheet Cascade",
        "Union Public Service Commision"
    ]
},
{
    numb : 5,
    question : "What Does MPSC Stand's For?",
    answer : "Maharashtra Public Service Commision",
    option:
    [
        "Madhya Pradesh Service Commision",
        "Madrass Public Service Commision",
        "Maharashtra Public Service Commision",
        "Hiper Text Processor"
    ]
}
]
```