

MINI PROJECT-QUIZ APPLICATION

CODE:

```
<!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">
  <link rel="stylesheet" href="style.css">
</head>

<body>
  <div class="panel">
    <h1>Quiz Application Using JavaScript</h1>
    <div class="question" id="ques"></div>
    <div class="options" id="opt"></div>
    <button onclick="checkAns()" id="btn">SUBMIT</button>
    <div id="score"></div>
    <script src="script.js"></script>
  </div>
</body>
</html>

<style>body {
  background-color: rgb(139, 193, 240);
}

.panel {
  margin-top: 8%;
  display: flex;
  flex-direction: column;
  align-items: center;
  justify-content: center;
  color: black;
}

.question {
  font-size: 30px;
  margin-bottom: 20px;
}

.options {
```

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```
font-size: 30px;
display: grid;
grid-template-columns: repeat(2, 1fr);
grid-gap: 20px;
margin-top: 10px;
margin-bottom: 20px;
position: fixed;
top: 40%;
left: 40%;
}

button {
  margin-right: 75px;
  margin-top: 17%;
  font-size: 20px;
  padding: 10px 20px;
  background-color: #4f98c2;
  color: rgb(32, 28, 28);
  border: none;
  cursor: pointer;
}

#score {
  font-size: 35px;
  color: rgb(33, 6, 65);
}
</style>
<script>
const Questions = [{
  q: "1.When an operator's value is NULL, the typeof returned by the unary operator is:",
  a: [{ text: "Undefined", isCorrect: false },
    { text: "Boolean", isCorrect: false },
    { text: "Object", isCorrect: true },
    { text: "Integer", isCorrect: false }
  ]
},
{
  q: "2.Javascript is an _____ language?",
  a: [{ text: "Object-based", isCorrect: false},
    { text: "Object-oriented", isCorrect: true },
    { text: "Procedural", isCorrect: false },
    { text: "None of the above", isCorrect: false }
  ]
}]
```

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```
},
{
  q: "3.How can a datatype be declared to be a constant type?",
  a: [{ text: "let", isCorrect: false },
    { text: "var", isCorrect: false },
    { text: "const", isCorrect: true },
    { text: "constant", isCorrect: false }
  ]
},
{
  q: "4.What keyword is used to check whether a given property is valid or not?",
  a: [{ text: "is in", isCorrect: false},
    { text: "exists", isCorrect: false },
    { text: "lies", isCorrect: false },
    { text: "in", isCorrect: true }
  ]
},
]

let currQuestion = 0
let score = 0

function loadQues() {
  const question = document.getElementById("ques")
  const opt = document.getElementById("opt")

  question.textContent = Questions[currQuestion].q;
  opt.innerHTML = ""

  for (let i = 0; i < Questions[currQuestion].a.length; i++) {
    const choicesdiv = document.createElement("div");
    const choice = document.createElement("input");
    const choiceLabel = document.createElement("label");

    choice.type = "radio";
    choice.name = "answer";
    choice.value = i;

    choiceLabel.textContent = Questions[currQuestion].a[i].text;
```

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```
        choicesdiv.appendChild(choice);
        choicesdiv.appendChild(choiceLabel);
        opt.appendChild(choicesdiv);
    }
}

loadQues();

function loadScore() {
    const totalScore = document.getElementById("score")
    totalScore.textContent = `You scored ${score} out of ${Questions.length}`
}

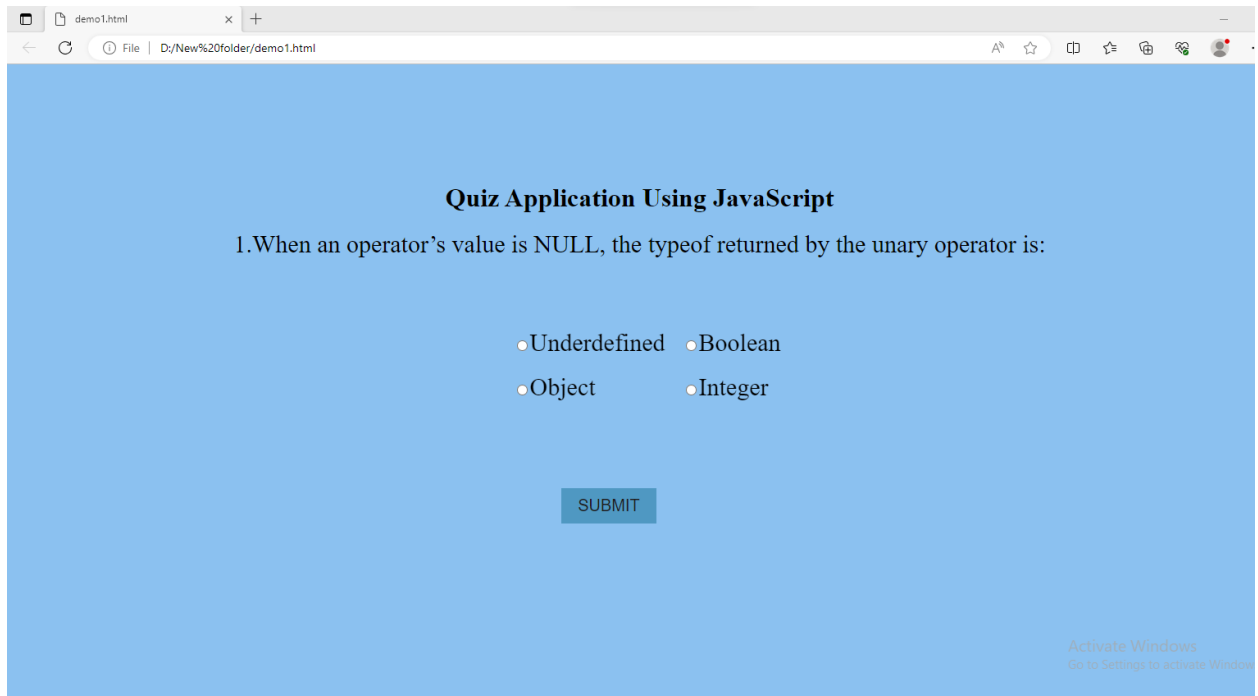
function nextQuestion() {
    if (currQuestion < Questions.length - 1) {
        currQuestion++;
        loadQues();
    } else {
        document.getElementById("opt").remove()
        document.getElementById("ques").remove()
        document.getElementById("btn").remove()
        loadScore();
    }
}

function checkAns() {
    const selectedAns =
parseInt(document.querySelector('input[name="answer"]:checked').value);

    if (Questions[currQuestion].a[selectedAns].isCorrect) {
        score++;
        console.log("Correct")
        nextQuestion();
    } else {
        nextQuestion();
    }
}
</script>
```

OUTPUT:

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The screenshot shows a web browser window with a single tab titled 'demo1.html'. The address bar shows the file path 'D:/New%20folder/demo1.html'. The page has a light blue background. In the center, the text 'Quiz Application Using JavaScript' is displayed in bold. Below it, the first question is: '1. When an operator's value is NULL, the typeof returned by the unary operator is:'. There are four radio button options: 'Underdefined', 'Boolean', 'Object', and 'Integer'. A blue 'SUBMIT' button is centered below the options. In the bottom right corner, there is a small watermark that says 'Activate Windows Go to Settings to activate Windows'.

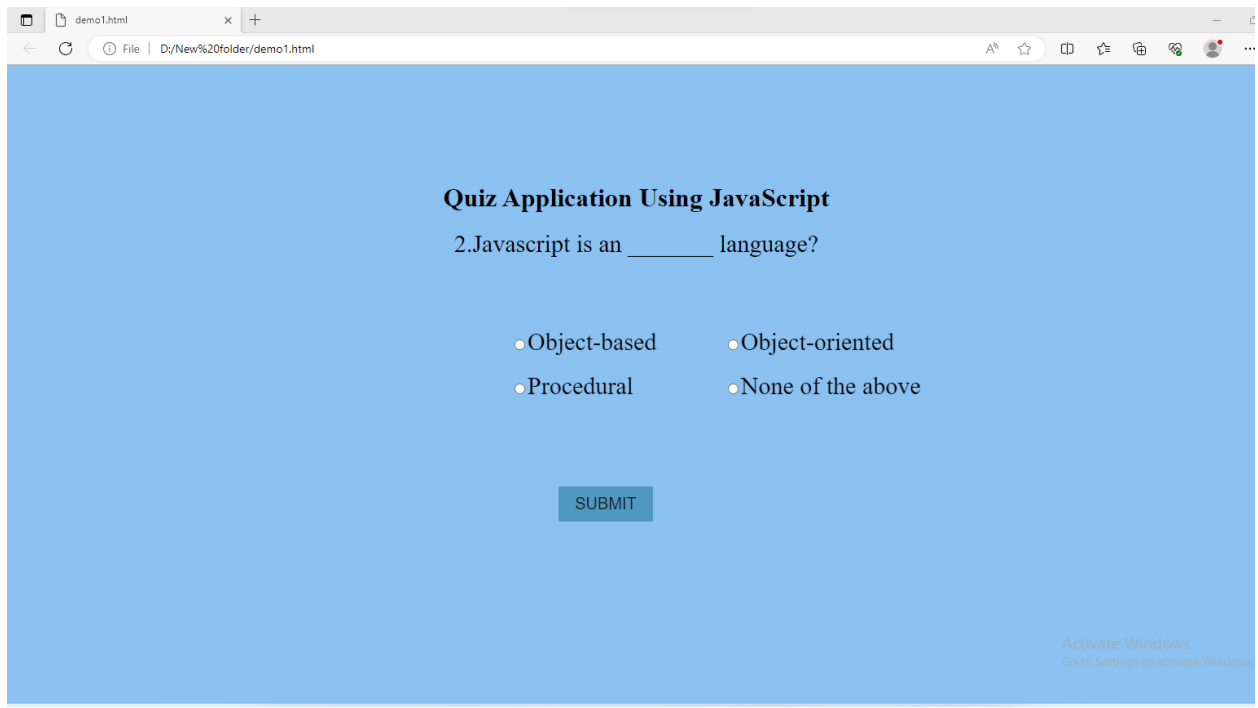
Quiz Application Using JavaScript

1. When an operator's value is NULL, the typeof returned by the unary operator is:

- ☐ Underdefined
- ☐ Boolean
- ☐ Object
- ☐ Integer

SUBMIT

Activate Windows
Go to Settings to activate Windows



The screenshot shows a web browser window with a single tab titled 'demo1.html'. The address bar shows the file path 'D:/New%20folder/demo1.html'. The page has a light blue background. In the center, the text 'Quiz Application Using JavaScript' is displayed in bold. Below it, the second question is: '2. Javascript is an _____ language?'. There are four radio button options: 'Object-based', 'Object-oriented', 'Procedural', and 'None of the above'. A blue 'SUBMIT' button is centered below the options. In the bottom right corner, there is a small watermark that says 'Activate Windows Go to Settings to activate Windows'.

Quiz Application Using JavaScript

2. Javascript is an _____ language?

- ☐ Object-based
- ☐ Object-oriented
- ☐ Procedural
- ☐ None of the above

SUBMIT

Activate Windows
Go to Settings to activate Windows

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demo1.html x +

← ↻ File | D:/New%20folder/demo1.html

A[Ⓟ] ☆ □ ☆ □ 🔍

Quiz Application Using JavaScript

3.How can a datatype be declared to be a constant type?

☐ let ☐ var

☐ const ☐ constant

SUBMIT

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demo1.html x +

← ↻ File | D:/New%20folder/demo1.html

A[Ⓟ] ☆ □ ☆ □ 🔍

Quiz Application Using JavaScript

4.What keyword is used to check whether a given property is valid or not?

☐ is in ☐ exists

☐ lies ☐ in

SUBMIT

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