**Number Quiz Lab 10 - using the node.js and Pug Template**

**//quiz.pug**

doctype html

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 The Number Quiz

  style.

    body {

    font-family: Arial, Helvetica, sans-serif;

    font-size: 18px;

    }

    .container {

    width: 400px;

    border: 2px darkblue  dashed;

    margin: auto;

    padding: 20px;

    margin-top: 30px;

    background-color: lightpink;

    }

    button {

    height: 30px;

    font-size: 18px;

    }

    h1 {

    text-align: center;

    }

h1 The Number Quiz

.container

  p Your Current Score is #{score}.

  p Guess the next number in the sequence ?

  p #{question}

  div

    form(action='http://localhost:3000/quiz' method='post')

      label(for='answer') Your Answer :

      input#answer(type='text' name='answer' size='6')

      br

      br

      label(hidden name='quizNum') #{quizNum}

      br

      label(hidden name='score') #{score}

      div

        button(type='submit') Submit

**//result.pug**

doctype html

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 Your Score

  style.

    body {

    font-family: Arial, Helvetica, sans-serif;

    font-size: 18px;

    }

    .container {

    width: 600px;

    border: 2px red dashed;

    background-color : lightblue ;

    margin: auto;

    padding: 0 10px;

    margin-top: 40px;

    }

.container

  h1 The Number Quiz

  p Your Current score is #{score}.

  p You have completed the number quiz, with a score of #{score} out of #{numOfQuestions}.

//numberQuiz.js

const express = require("express");

const path = require("path");

const { render } = require("pug");

const port = process.env.PORT || 3000;

let quizNum = 0;

let score;

let questions = [

    "3, 1, 4, 1, 5, ?",

    "1, 1, 2, 3, 5, ?",

    "1, 4, 9, 16, 25, ?",

    "2, 3, 5, 7, 11, ?",

    "1, 2, 4, 8, 16, ?",

];

let answers = [9, 8, 36, 13, 32];

let i;

const app = express();

app.use(express.json());

app.use(express.urlencoded({ extended: true }));

app.set("view engine", "pug");

app.set("views", path.join(\_\_dirname, "views"));

app.get("/", (req, res) => {

    i = 0;

    score = 0;

    quizNum++;

    res.render("quiz", {

        question: questions[0],

        score,

        quizNum,

    });

});

app.post("/quiz", (req, res) => {

    while (i < questions.length) {

        if (parseInt(req.body.answer) === answers[i]) {

            score++;

        }

        i++;

        break;

    }

    if (i === questions.length) {

        return res.render("result", {

            score,

            numOfQuestions: questions.length,

        });

    }

    res.render("quiz", {

        score: score,

        quizNum: quizNum,

        question: questions[i],

    });

});

app.listen(port, () => {

    console.log(`Web server listening on port ${port} ...`);

});

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Graphical user interface, text

Description automatically generated