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

//quiz.pug

```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
```

```pug
//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}.
```

```javascript
//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} ...`);
});
```

The Number Quiz

Your Current Score is 0.

Guess the next number in the sequence ?

3, 1, 4, 1, 5, ?

Your Answer : 9

Submit

The Number Quiz

Your Current Score is 1.

Guess the next number in the sequence ?

1, 1, 2, 3, 5, ?

Your Answer :

Submit

The Number Quiz

Your Current Score is 1.

Guess the next number in the sequence ?

1, 1, 2, 3, 5, ?

Your Answer : 8

Submit

The Number Quiz

Your Current Score is 2.

Guess the next number in the sequence ?

1, 4, 9, 16, 25, ?

Your Answer :

Submit

The Number Quiz

Your Current Score is 2.

Guess the next number in the sequence ?

1, 4, 9, 16, 25, ?

Your Answer : 125

Submit

The Number Quiz

Your Current Score is 2.

Guess the next number in the sequence ?

2, 3, 5, 7, 11, ?

Your Answer :

Submit

The Number Quiz

Your Current Score is 2.

Guess the next number in the sequence ?

2, 3, 5, 7, 11, ?

Your Answer : `13`

Submit

The Number Quiz

Your Current Score is 3.

Guess the next number in the sequence ?

1, 2, 4, 8, 16, ?

Your Answer :

Submit

The Number Quiz

Your Current Score is 3.

Guess the next number in the sequence ?

1, 2, 4, 8, 16, ?

Your Answer : `32`

Submit

The Number Quiz

Your Current score is 4.

You have completed the number quiz, with a score of 4 out of 5.

The Number Quiz

Your Current score is 4.

You have completed the number quiz, with a score of 4 out of 5.