Number Quiz Lab

The Number Quiz

Your currenct score is 0.

Guess the next number in the sequences

1,1,2,3,5

Your Answer: [8]

[Submit]

The Number Quiz

Your currenct score is 1.

Guess the next number in the sequences

1,4,9,16,25

Your Answer: [36]

[Submit]

The Number Quiz

Your currenct score is 2.

Guess the next number in the sequences

2,3,5,7,11

Your Answer: 0
Submit

The Number Quiz

Your currenct score is 3.

Guess the next number in the sequences

1,8,27,64,125

Your Answer:[32]

Submit

You have completed the Number Quiz with a score 3 out of 5

```js
var nums = {
    "1,1,2,3,5": 8,
    "1,4,9,16,25": 36,
    "2,3,5,7,11": 13,
    "1,2,4,8,16": 32,
    "1,8,27,64,125": 216
};

var keys = Object.keys(nums);
var sequence = keys[0];
``

function checkAnswer(req, res) {
    var isComplete = false;

    if (req.body.answer == nums[keys[req.body.count]]) {
        req.body.score = parseInt(req.body.score) + 1;
    }
    if (parseInt(req.body.count) + 1 == 5) {
        isComplete = true;
    } else {
        sequence = keys[req.body.count];
    }
    res.render("quiz.pug", {
        score: req.body.score,
        sequence: keys[parseInt(req.body.count) + 1],
        isComplete: isComplete,
        count: parseInt(req.body.count) + 1
    });
}

module.exports = {
    sequence,
    checkAnswer
}
```

```js
JS app.js > ...
  1    var express = require("express");
  2    var app = express();
  3    var quizService = require("./quizService");
  4    app.use(express.urlencoded({ extended: true }));
  5    app.use(express.static(__dirname));
  6    app.set("view engine", "jade");
  7
  8    app.get("/", function(req, res) {
  9        res.render("quiz.pug", { score: 0, count: 0, sequence: quizService.sequence });
 10    })
 11
 12    app.post("/", function(req, res) {
 13        quizService.checkAnswer(req, res);
 14    });
 15
 16    app.listen(8080, function() {
 17        console.log("server running on port ");
 18    })
```

```pug
views > 🐶 quiz.pug
  1    doctype html
  2    html(lang="en")
  3        head
  4            meta(charset="UTF-8")
  5            meta(http-equiv="X-UA-Compatible", content="IE=edge")
  6            meta(name="viewport", content="width=device-width, initial-scale=1.0")
  7            title The Number Quiz
  8            link(rel="stylesheet", href="/css/quiz.css", type="text/css")
  9        body
 10            div
 11                h1 The Number Quiz
 12                p Your currenct score is #{score}.
 13
 14                if isComplete
 15                    p You have completed the Number Quiz with a score #{score} out of #{count}
 16                else
 17                    p Guess the next number in the sequences
 18                    p #{sequence}
 19                    - var score = score;
 20                    - var count = count;
 21                    form(method="post")
 22                        label(for="answer") Your Answer:
 23                        input(id= "answer" type="text" name="answer" required)
 24                        input( type="hidden" name="score" value=score)
 25                        input(type="hidden" name="count" value=count)
 26                        br
 27                        button(type="submit") Submit
```