


Number_Quiz > JS app.js >  app.post('/') callback

```
1  const express = require('express');
2  const app = express();
3  const port = 3000;
4  const urlencodedParser = express.urlencoded({ extended: false })
5  app.use(express.static('./public'));
6
7  //set view engine
8
```

Number_Quiz > JS app.js > ...

```
11  const questions=[
12    {"qid":1, "sequence":"3, 1, 4, 1, 5","answer":9},
13    {"qid":2, "sequence":"1, 1, 2, 3, 5","answer":8},
14    {"qid":3, "sequence":"1, 4, 9, 16, 25","answer":36},
15    {"qid":4, "sequence":"2, 3, 5, 7, 11","answer":13},
16    {"qid":5, "sequence":"1, 2, 4, 8, 16","answer":32},
17  ];
18
19  app.get('/',function(req,res){
20    res.render('quiz',{questions:questions[0],score:0,step:0})
21  });
22
23  app.post('/',urlencodedParser,function(req,res){
24    console.log(req.body);
25    let data=req.body;
26    let step=parseInt(data.step);
27    let score=parseInt(data.score);
28    let answer=parseInt(data.answer);
29    if(step+1==questions.length){
30      if(answer===questions[step].answer){
31        score+=1;
32      }
33      res.render('result',{step:0,score:score});
34    }else{
35      if(answer===questions[step].answer){
36        score+=1;
37      }
38      step+=1;
39      res.render('quiz',{questions:questions[step],step:step,score:score})
40    }
41  }
42  });
43
44  app.listen(port, () => {
45    console.log(`listening on port ${port}!`)
46  });
```

```

Number_Quiz > views > result.pug
1  html
2    head
3      title The Number Quiz
4      link(rel='stylesheet', href='quiz.css')
5    body
6      div(class="container")
7        fieldset
8          legend Completed
9          h1 The Number Quiz
10         h3 Your current score is #{score}
11         p You have completed The Number Quiz, with a score of #{score} out of 5.

```

Figure 1:Result.pug

```

Number_Quiz > views > quiz.pug
1  html
2    head
3      title The Number Quiz
4      link(rel='stylesheet', href='quiz.css')
5    body
6      div(class="container")
7        fieldset
8          legend The Number Quiz
9          h1 The Number Quiz
10         p The current score is #{score}
11         p Guess the next number in the sequence
12         p #{questions.sequence}
13         form(class="form", action="/", method="POST")
14           div(class="form-body")
15             input(type="hidden", value=step, name="step")
16             input(type="hidden", value=score, name="score")
17           div(class="form-body")
18             label(class="form-label", for="answer") Your answer:
19             input(class="form-input", name="answer" size="12" type="number" steps="1")
20           div(class="form-body")
21             span(class="form-label")
22             input(type="submit" value="Submit")

```

quiz.pug

