

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.

```

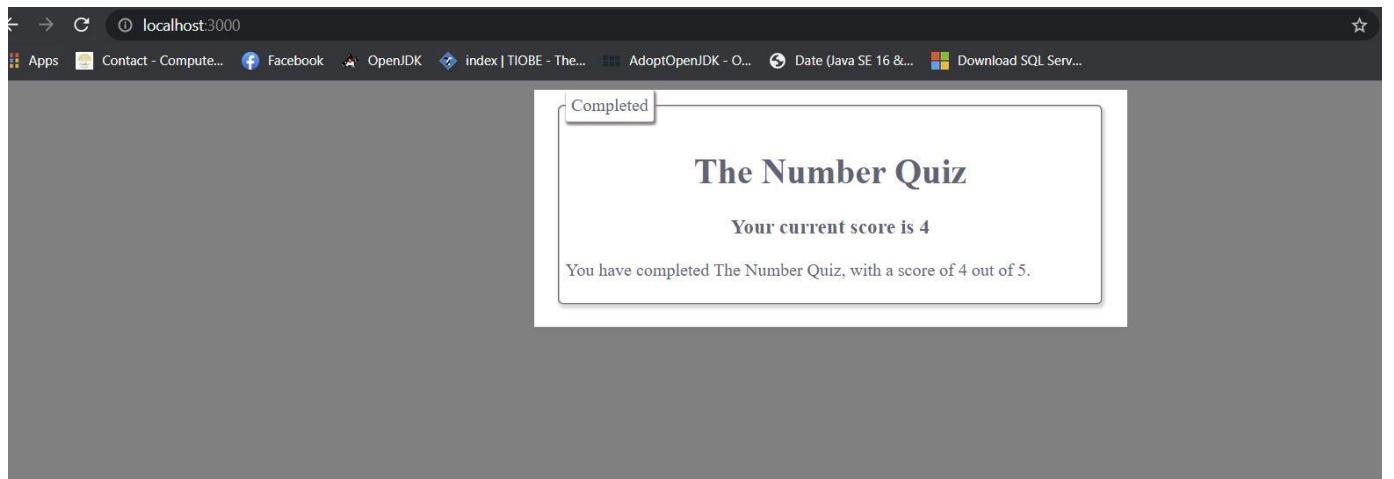
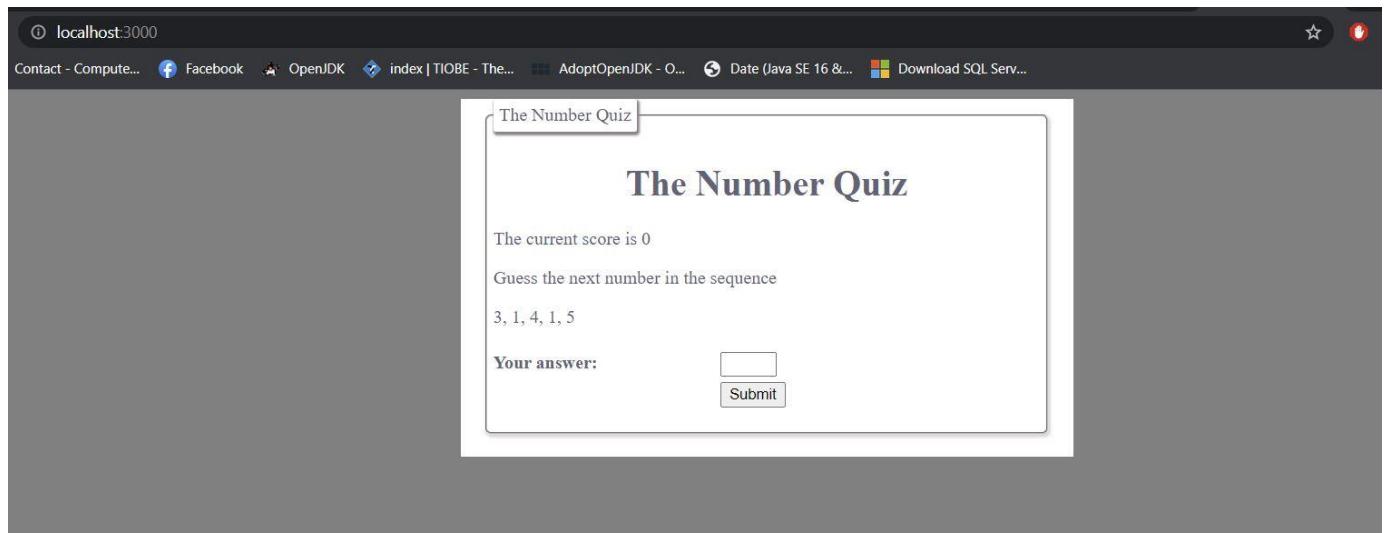
Figure 1:Result.pug

```

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



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL [Σ n]
[Object: null prototype] { step: '4', score: '4', answer: '34' }
[Object: null prototype] { step: '0', score: '0', answer: '9' }
[Object: null prototype] { step: '1', score: '1', answer: '8' }
[Object: null prototype] { step: '2', score: '2', answer: '36' }
[Object: null prototype] { step: '3', score: '3', answer: '13' }
[Object: null prototype] { step: '4', score: '4', answer: '25' }
[Object: null prototype] { step: '0', score: '0', answer: '9' }
[Object: null prototype] { step: '0', score: '0', answer: '9' }
[Object: null prototype] { step: '1', score: '1', answer: '8' }
[Object: null prototype] { step: '2', score: '2', answer: '36' }
[Object: null prototype] { step: '3', score: '3', answer: '' }
[Object: null prototype] { step: '4', score: '3', answer: '25' }
```