

http://npu85.npu.edu/~henry/npu/classes/javascript/node_js/course/nodeschool/learnyounode/exercise_learnyounode.html

Q4 ==> Send JSON data from node.js server: course info

Course_info.js

```
var http = require('http')
```

```
var url = require('url')
```

```
function score(courseID) {
```

```
  if (courseID=='cs551'){
```

```
    return {
```

```
      "cs551":[
```

```
        {"Homework ID" : 1, "Score" : 84},
```

```
        {"Homework ID" : 2, "Score" : 93},
```

```
        {"Homework ID" : 3, "Score" : 88}
```

```
      ]
```

```
    }
```

```
  }
```

```
  else if (courseID=='cs557'){
```

```
    return {
```

```
      "cs557":[
```

```
        {"Homework ID" : 1, "Score" : 90},
```

```
        {"Homework ID" : 2, "Score" : 85}
```

```
      ]
```

```
    }
```

```
  }
```

```
}
```

```
var server = http.createServer(function (req, res) {
```

```
  var parsedUrl = url.parse(req.url, true)
```

```
  var courseID = parsedUrl.query.course_id
```

```
  var result
```

```
  if (/^\api\score/.test(req.url))
```

```
    result = score(courseID)
```

```
  if (result) {
```

```
    res.writeHead(200, { 'Content-Type': 'application/json' })
```

```
    res.end(JSON.stringify(result))
```

```
  } else {
```

```
    res.writeHead(404)
```

```
    res.end()
```

```
  }
```

```
})
```

```
server.listen(Number(process.argv[2]))
```

course_info.js - Notepad

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```
var http = require('http')
var url = require('url')

function score(courseID) {
  if (courseID=='cs551') {
    return {
      "cs551": [
        {"Homework ID" : 1, "Score" : 84},
        {"Homework ID" : 2, "Score" : 93},
        {"Homework ID" : 3, "Score" : 88}
      ]
    }
  }
  else if (courseID=='cs557') {
    return {
      "cs557": [
        {"Homework ID" : 1, "Score" : 90},
        {"Homework ID" : 2, "Score" : 85}
      ]
    }
  }
}

var server = http.createServer(function (req, res) {
  var parsedUrl = url.parse(req.url, true)
  var courseID = parsedUrl.query.course_id
  var result

  if (/^\/api\/score\/.test(req.url))
    result = score(courseID)

  if (result) {
    res.writeHead(200, { 'Content-Type': 'application/json' })
    res.end(JSON.stringify(result))
  } else {
    res.writeHead(404)
    res.end()
  }
})

server.listen(Number(process.argv[2]))
```



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Command Prompt - node hw4.js 8000

C:\Users\bosun\AppData\Roaming\npm>node hw4.js 8000

localhost:8000/api/score?course_ x

localhost:8000/api/score?course_ x

+

localhost:8000/api/score?course_id=cs551

☆

BO

{ "cs551": [{ "Homework ID": 1, "Score": 84 }, { "Homework ID": 2, "Score": 93 }, { "Homework ID": 3, "Score": 88 }] }

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localhost:8000/api/score?course_ x

localhost:8000/api/score?course_ x

+

localhost:8000/api/score?course_id=cs557

☆

BO

{ "cs557": [{ "Homework ID": 1, "Score": 90 }, { "Homework ID": 2, "Score": 85 }] }

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