

Cs540 cloud computing infrastructure

19615_gayatri_kolekar

Question5: Send JSON data from node.js server: student info

Step 1: create a student_id.js file

```
// Write an HTTP server that serves JSON data when it
// receives a GET request to the path '/api/parse'.
//
////////////////////////////////////
var http = require('http')
var url = require('url')

// - Expect the request to contain a query
// string with a key 'student_id'

var server = http.createServer(function (req, res) {
  // req.url = /api/score?student_id=11111
  var parsedUrl = url.parse(req.url, true)

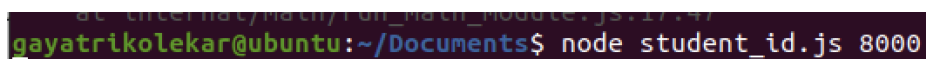
  var studId = parsedUrl.query.student_id
  var obj = ''
  if (studId == '11111')
    obj = {'Student ID':'11111','Student Name':'Bruce Lee','Score':'84'}
  else if (studId == '22222')
    obj = {"Student ID":"22222","Student Name":"Jackie Chen","Score":"93"}
```

```
else if(studId == '33333')  
  obj = {"Student ID":"33333","Student Name":"Jet Li","Score":"88"}  
  
  if (obj) {  
    res.writeHead(200, { 'Content-Type': 'application/json' })  
    res.end(JSON.stringify(obj))  
  } else {  
    res.writeHead(404)  
    res.end()  
  }  
  
})  
server.listen(Number(process.argv[2]))
```

Step 2:

on the server

```
$ node student_id.js 8000
```

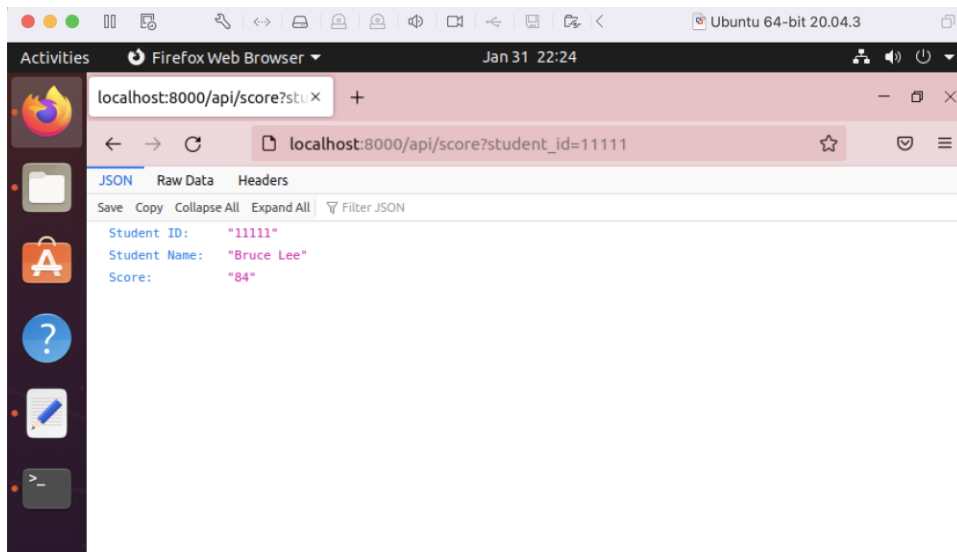
A terminal window with a dark background. The prompt is 'gayatrikolekar@ubuntu:~/Documents\$'. The command 'node student_id.js 8000' is entered and highlighted in blue.

```
gayatrikolekar@ubuntu:~/Documents$ node student_id.js 8000
```

Step 3:

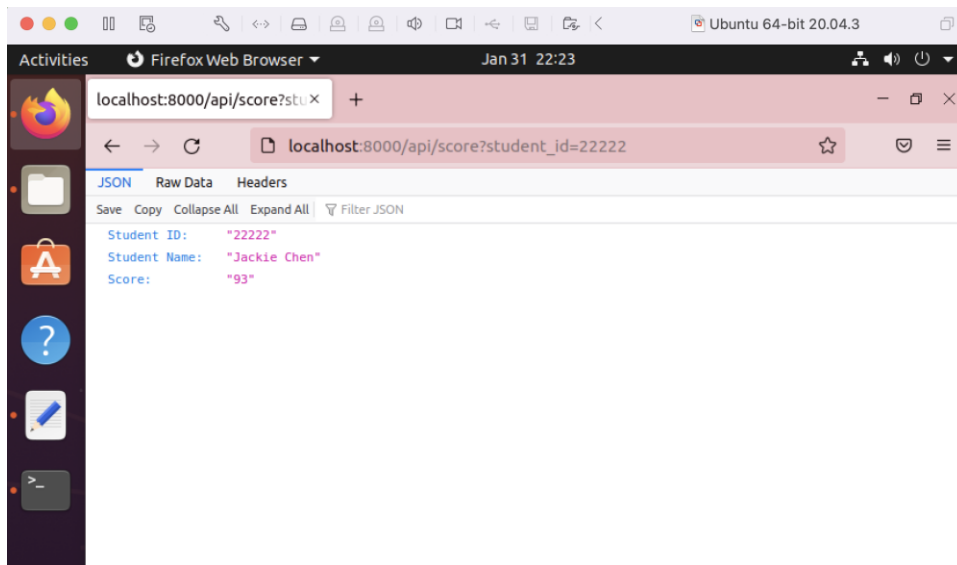
on the client browser

http://localhost:8000/api/score?student_id=11111



On the client browser

`http://localhost:8000/api/score?student_id=22222`



On the client browser

`http://localhost:8000/api/score?student_id=33333`

