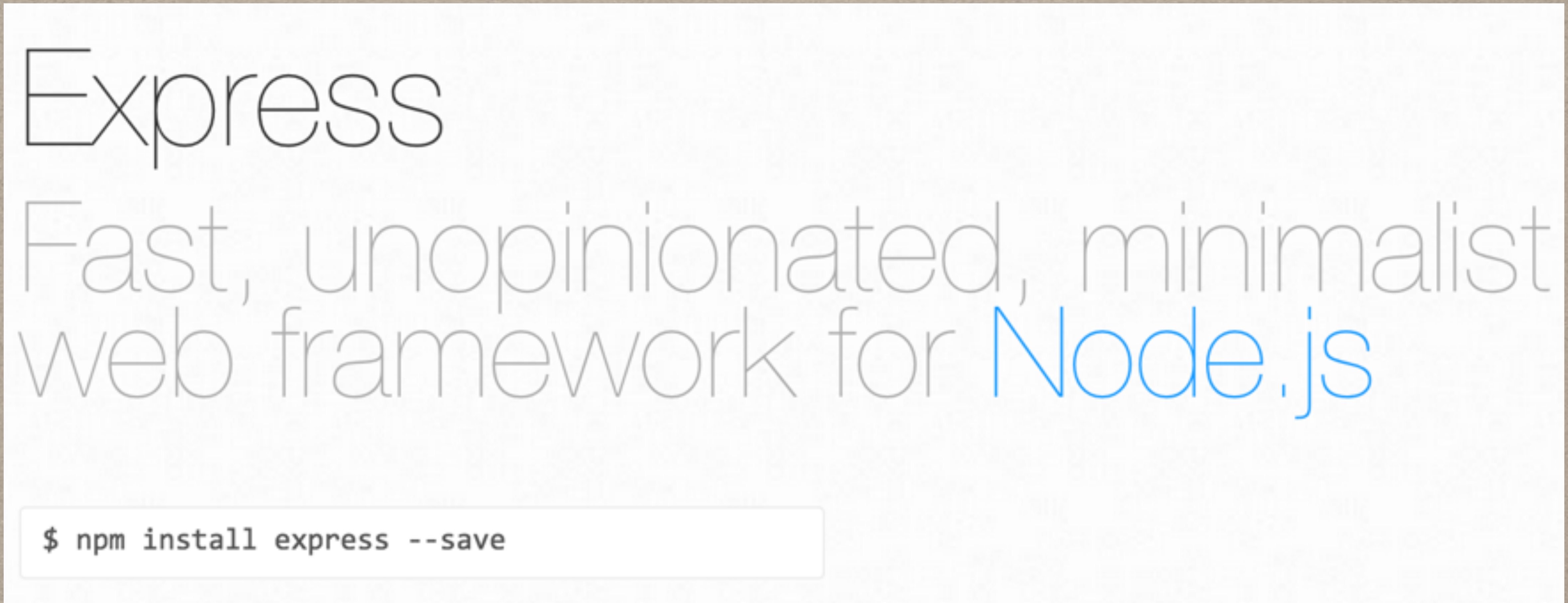
EXPRESS INTRODUCTION

BY 程序猿小卡

- What is Express?
- Why we need Express?
- Rules of routers.
- Everything is middleware.
- Combo Application

WHAT IS EXPRESS

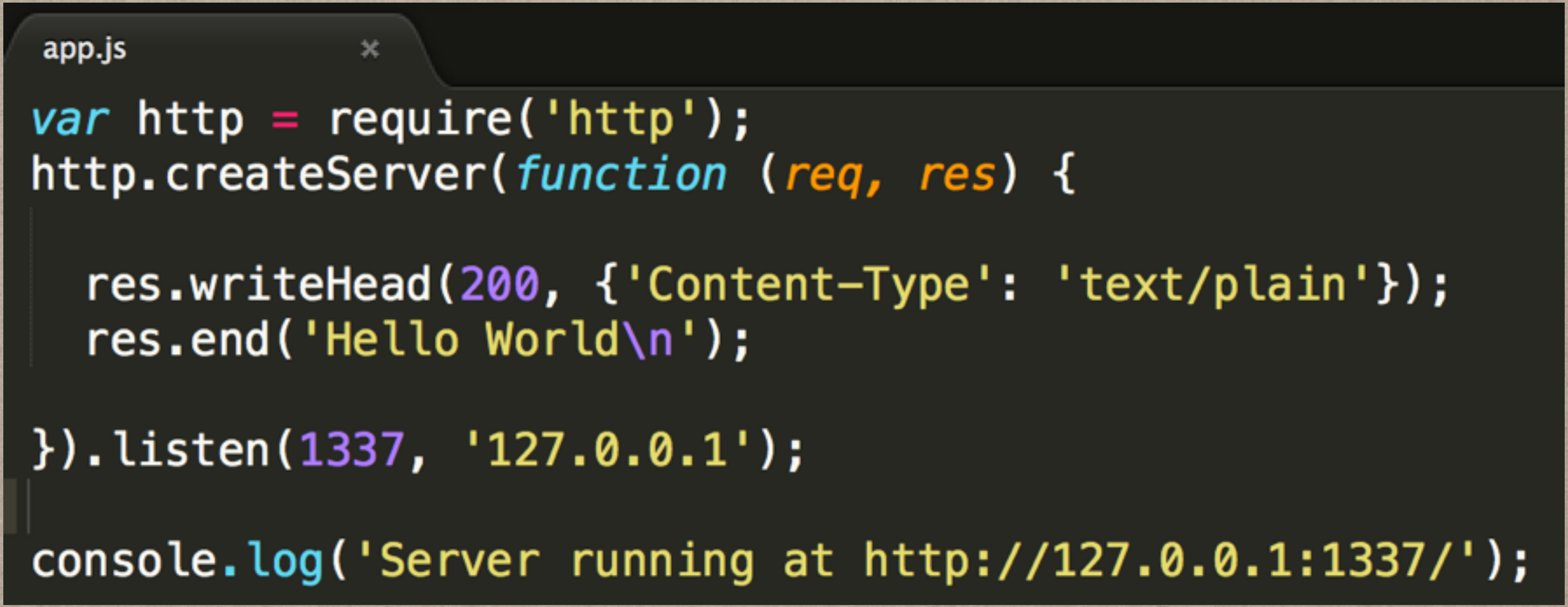


Express

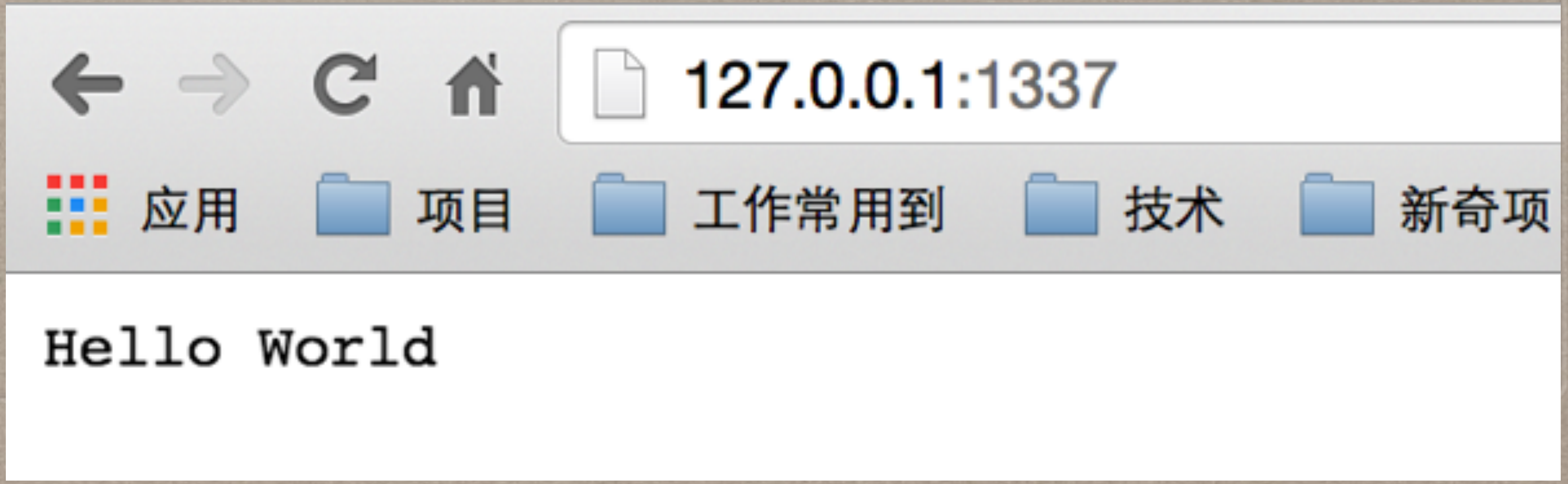
Fast, unopinionated, minimalist web framework for Node.js

```
$ npm install express --save
```

WHY WE NEED IT



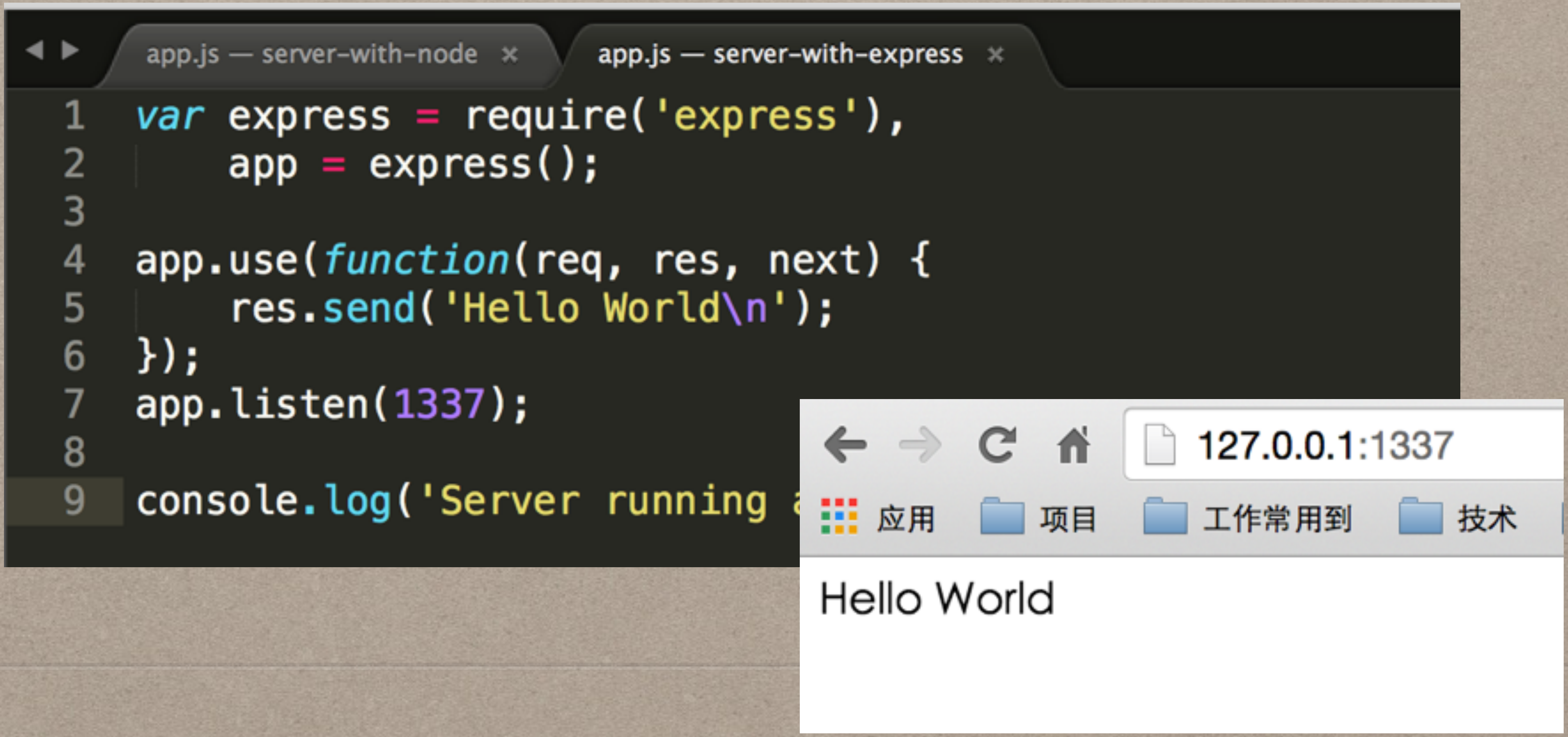
```
var http = require('http');
http.createServer(function (req, res) {

  res.writeHead(200, {'Content-Type': 'text/plain'});
  res.end('Hello World\n');

}).listen(1337, '127.0.0.1');

console.log('Server running at http://127.0.0.1:1337/');
```



```
Hello World
```

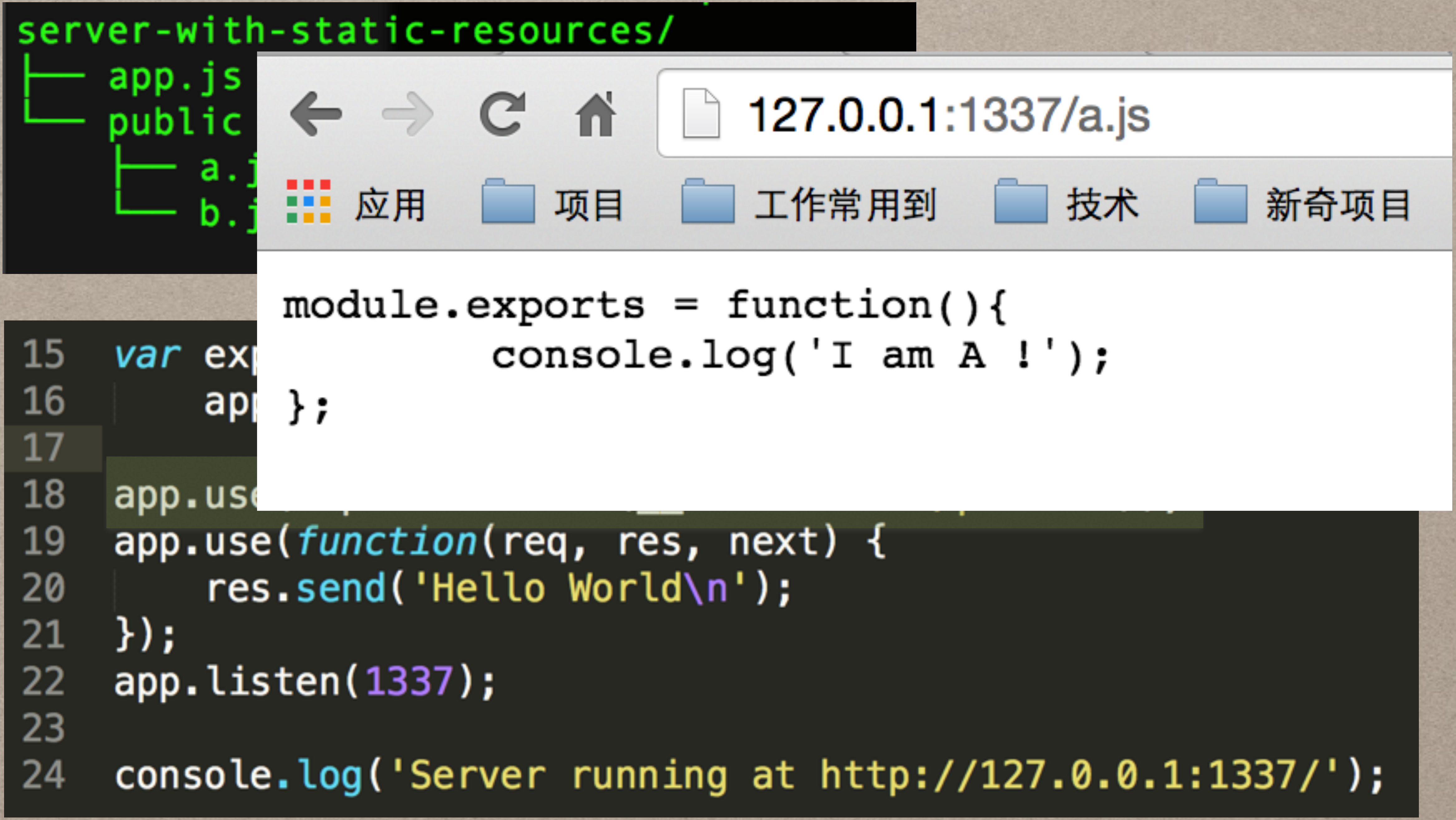
WHAT IS EXPRESS

```
npm install express --save
```



```
var express = require('express'),
    app = express();

app.use(function(req, res, next) {
    res.send('Hello World\n');
});
app.listen(1337);

console.log('Server running a
```

```
Hello World
```

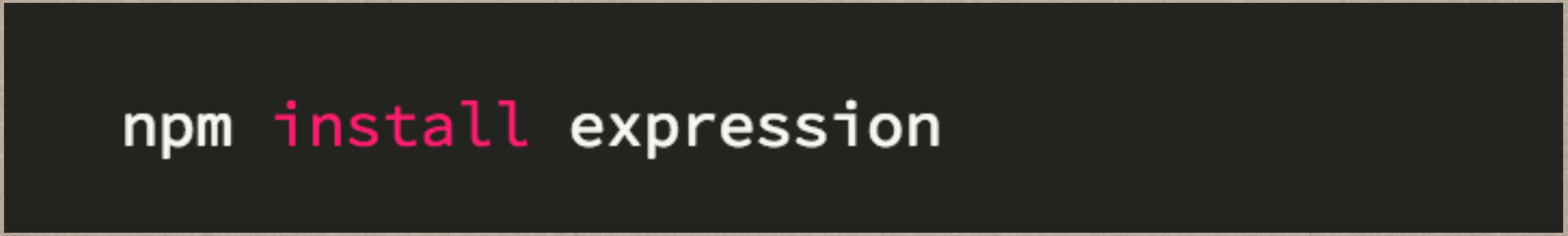


```
server-with-static-resources/
├── app.js
└── public
    ├── a.j
    └── b.j
```

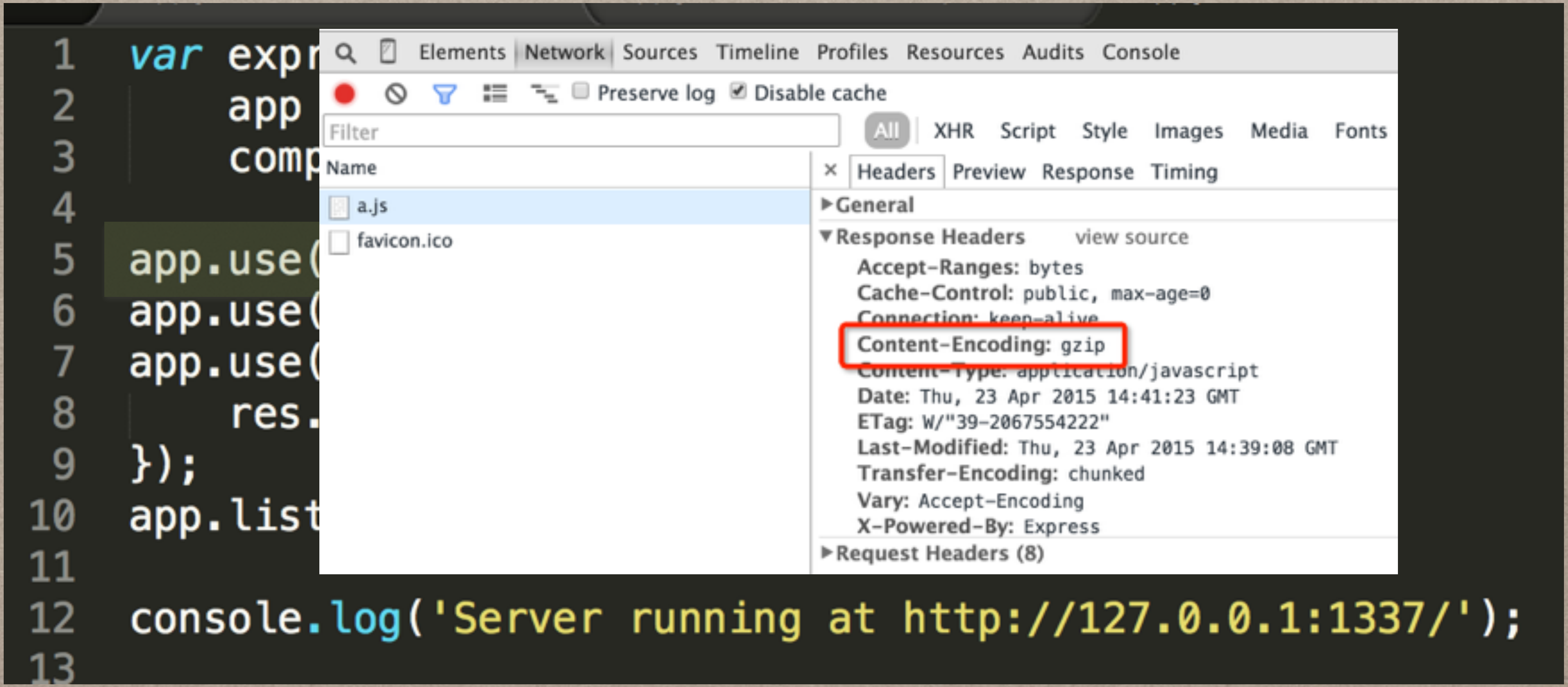
```
module.exports = function(){
        console.log('I am A !');
};
```

```
var ex
    ap

app.use
app.use(function(req, res, next) {
    res.send('Hello World\n');
});
app.listen(1337);

console.log('Server running at http://127.0.0.1:1337/');
```

WHY WE NEED EXPRESS



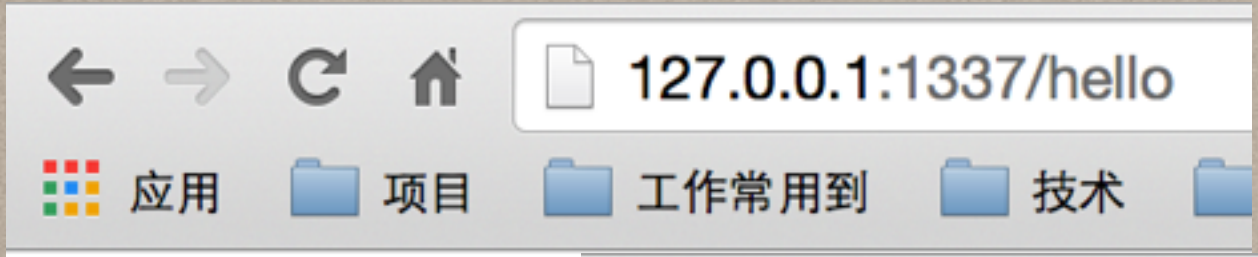
```
npm install expression
```



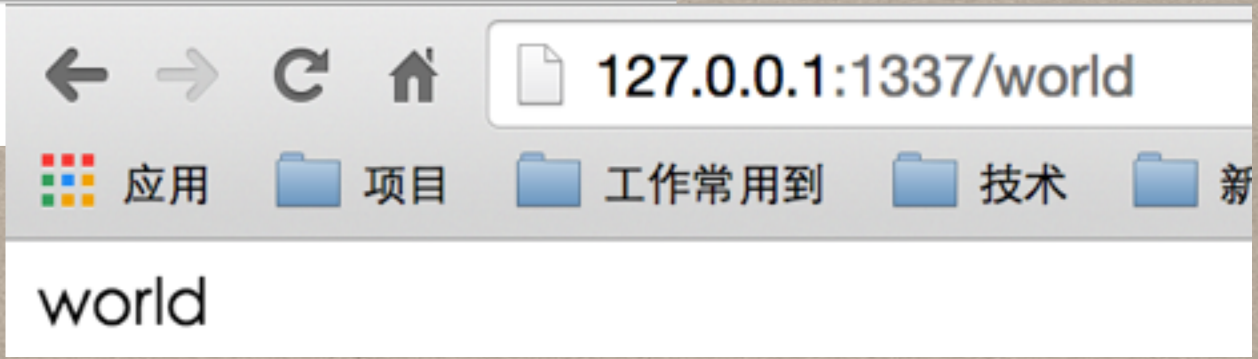
```
var expr
    app
    comp

app.use(
app.use(
app.use(
    res.
});
app.list

console.log('Server running at http://127.0.0.1:1337/');
```

```
Accept-Ranges: bytes
Cache-Control: public, max-age=0
Connection: keep-alive
Content-Encoding: gzip
Content-Type: application/javascript
Date: Thu, 23 Apr 2015 14:41:23 GMT
ETag: W/"39-2067554222"
Last-Modified: Thu, 23 Apr 2015 14:39:08 GMT
Transfer-Encoding: chunked
Vary: Accept-Encoding
X-Powered-By: Express
```

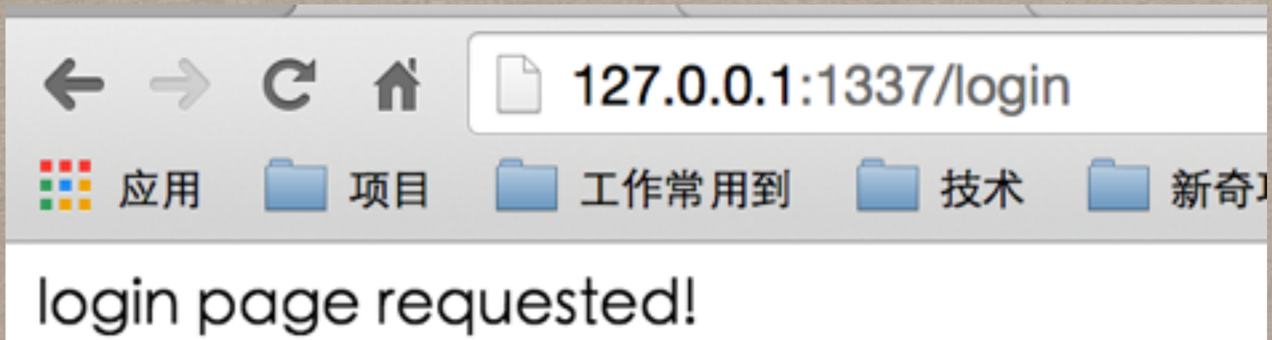
RULES OF ROUTER



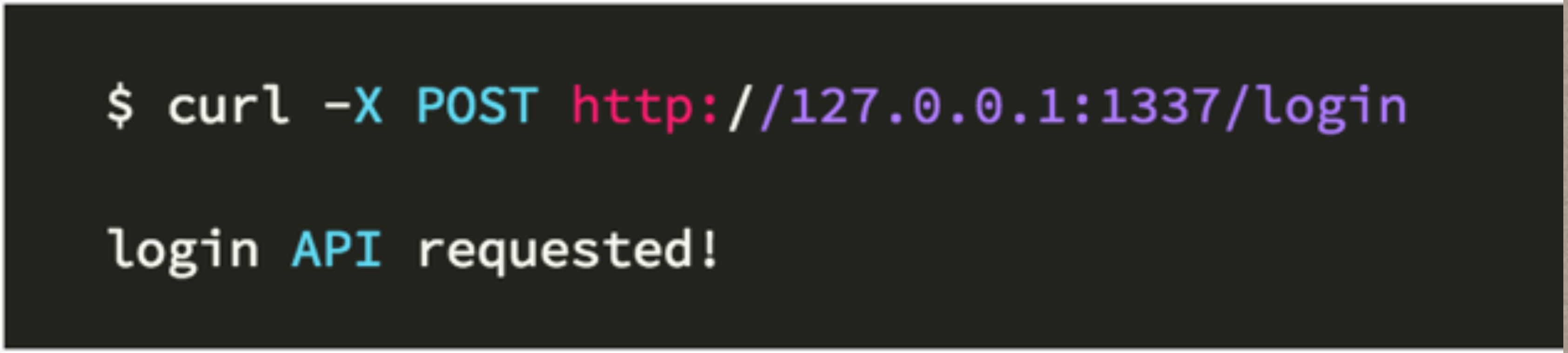
hello



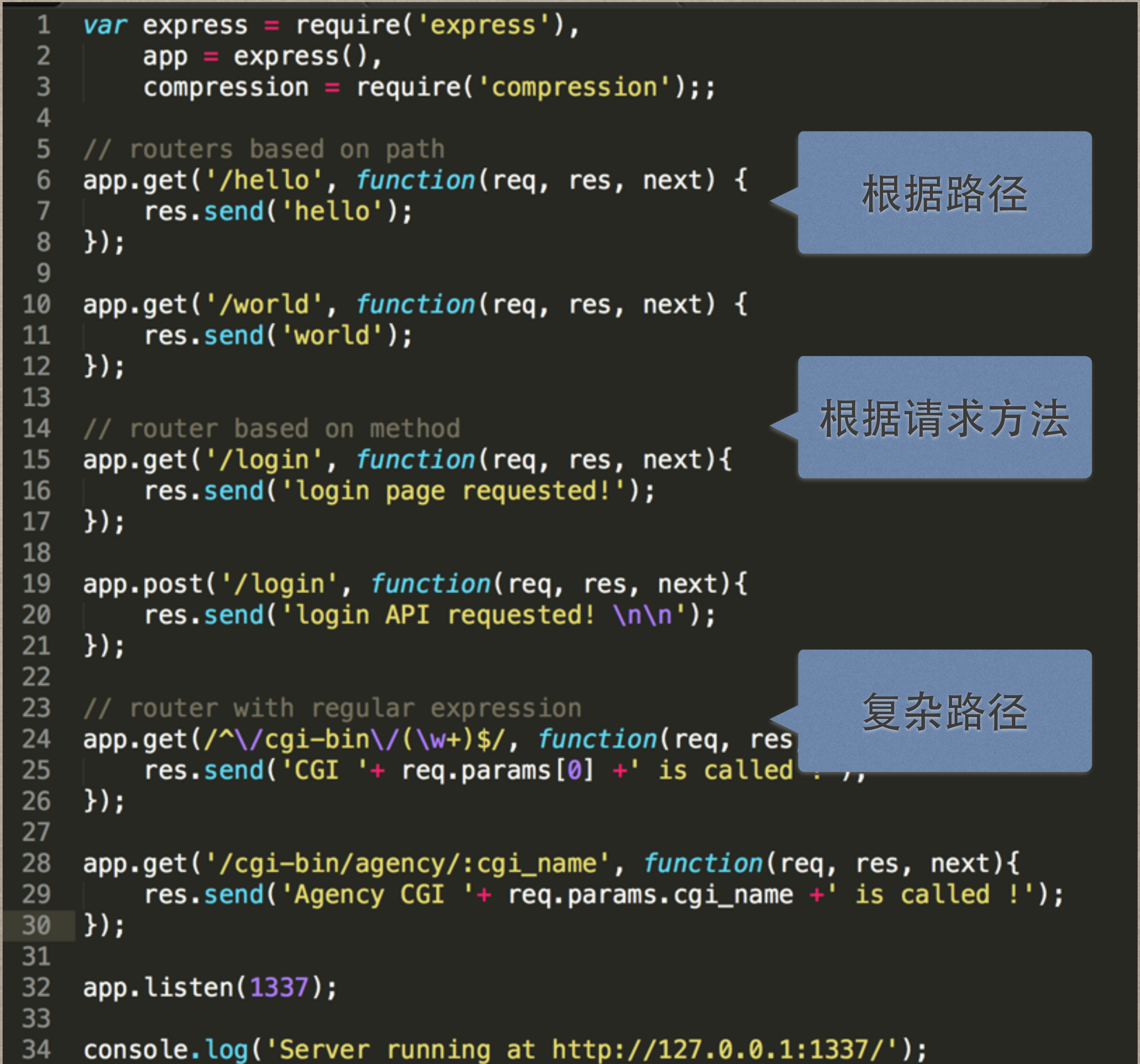
world



login page requested!



```
$ curl -X POST http://127.0.0.1:1337/login

login API requested!
```



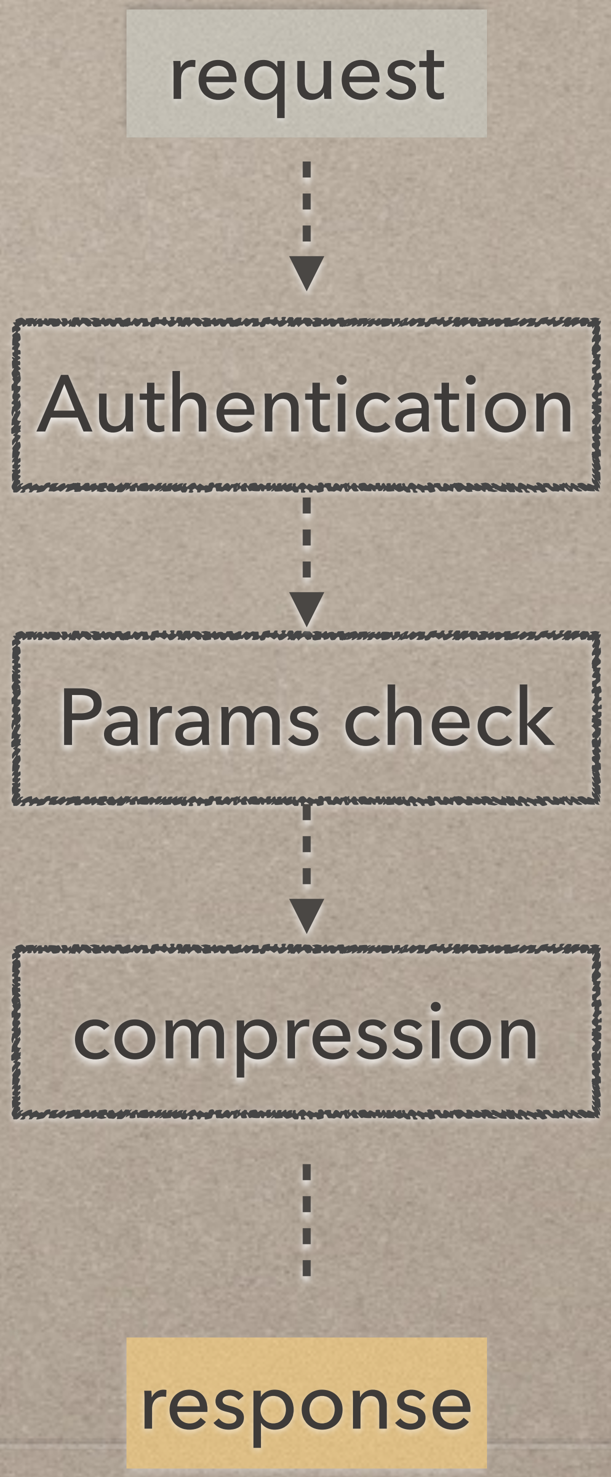
```
var express = require('express'),
    app = express(),
    compression = require('compression');;

// routers based on path
app.get('/hello', function(req, res, next) {
    res.send('hello');
});

app.get('/world', function(req, res, next) {
    res.send('world');
});

// router based on method
app.get('/login', function(req, res, next){
    res.send('login page requested!');
});

app.post('/login', function(req, res, next){
    res.send('login API requested! \n\n');
});

// router with regular expression
app.get(/^\/cgi-bin\/(\w+)$/, function(req, res
    res.send('CGI '+ req.params[0] +' is called !');
});

app.get('/cgi-bin/agency/:cgi_name', function(req, res, next){
    res.send('Agency CGI '+ req.params.cgi_name +' is called !');
});

app.listen(1337);

console.log('Server running at http://127.0.0.1:1337/');
```

根据路径

根据请求方法

复杂路径

EVERYTHING IS MIDDLEWARE



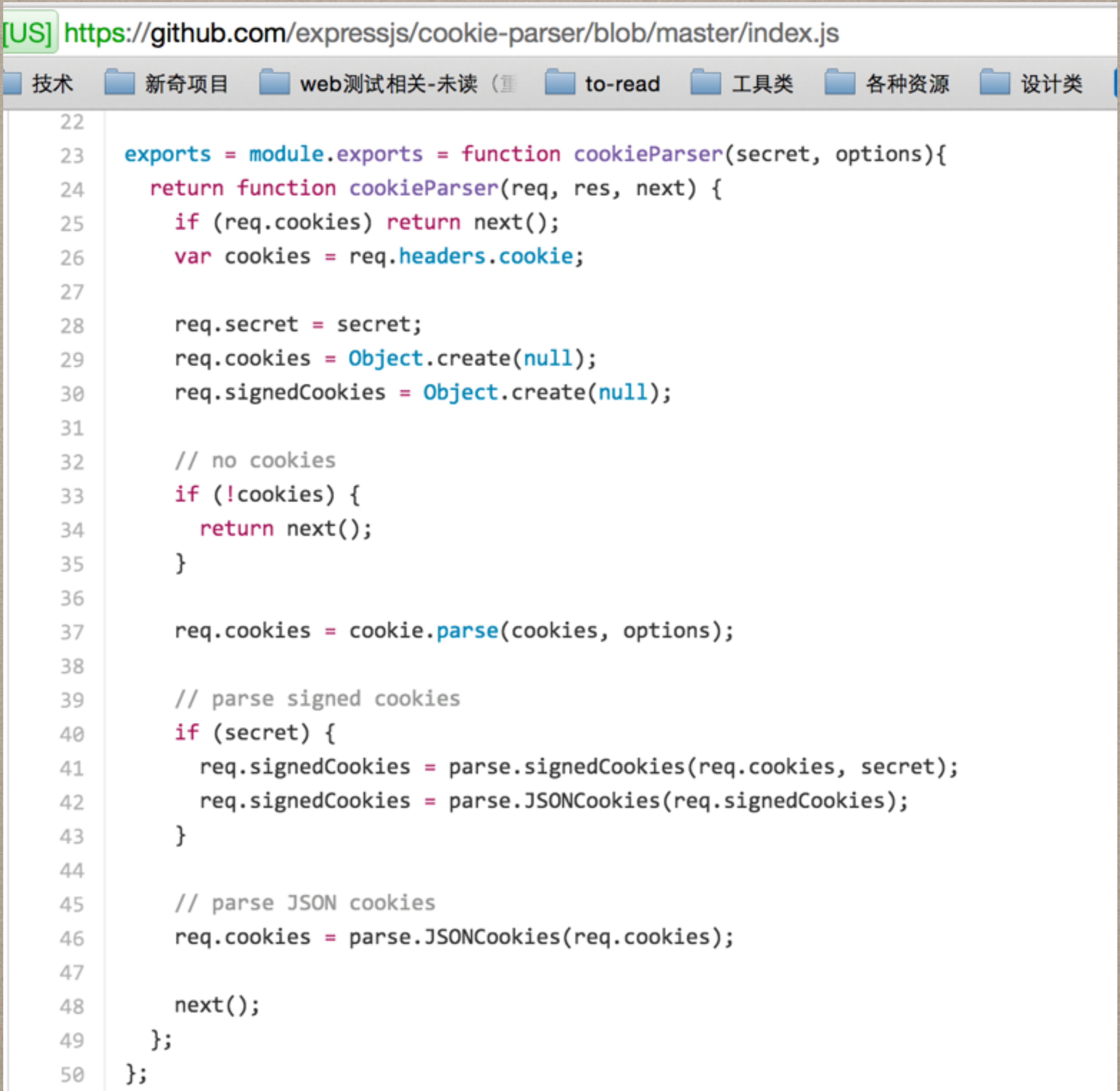
request

Authentication

Params check

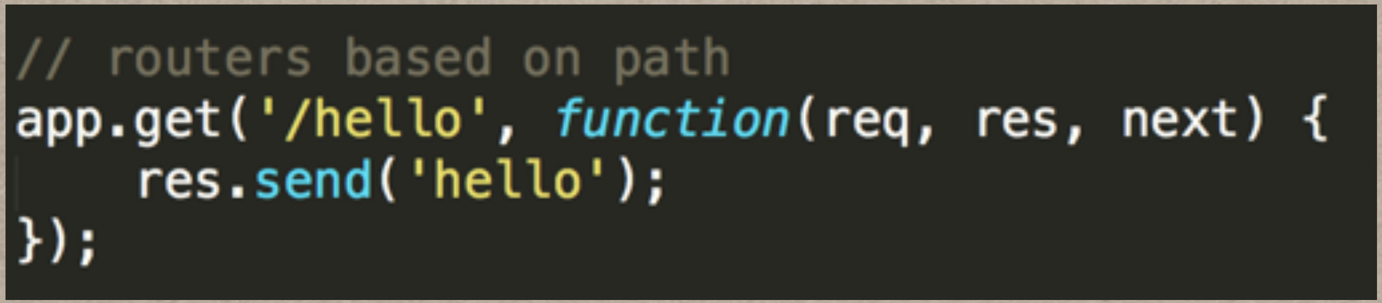
compression

response


[US] https://github.com/expressjs/cookie-parser/blob/master/index.js
技术
新奇项目
web测试相关-未读（重
to-read
工具类
各种资源
设计类

```

exports = module.exports = function cookieParser(secret, options){
  return function cookieParser(req, res, next) {
    if (req.cookies) return next();
    var cookies = req.headers.cookie;

    req.secret = secret;
    req.cookies = Object.create(null);
    req.signedCookies = Object.create(null);

    // no cookies
    if (!cookies) {
      return next();
    }

    req.cookies = cookie.parse(cookies, options);

    // parse signed cookies
    if (secret) {
      req.signedCookies = parse.signedCookies(req.cookies, secret);
      req.signedCookies = parse.JSONCookies(req.signedCookies);
    }

    // parse JSON cookies
    req.cookies = parse.JSONCookies(req.cookies);

    next();
  };
};
```

SIMPLE MIDWARE

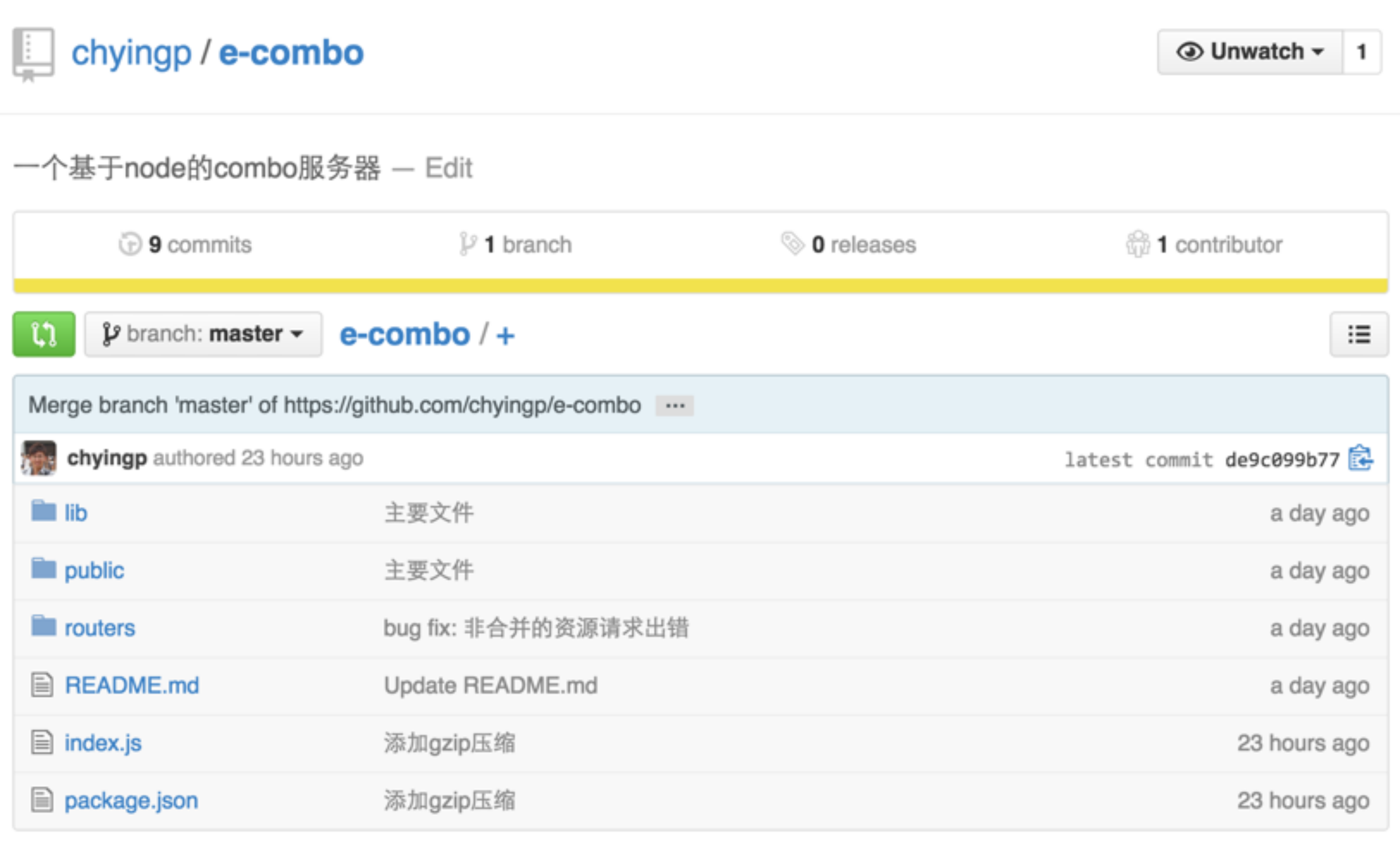


```
// routers based on path
app.get('/hello', function(req, res, next) {
    res.send('hello');
});
```

!

COMBO APPLICATION

Get the code



chyingp / **e-combo**

一个基于node的combo服务器 — Edit

9 commits **1** branch **0** releases **1** contributor

Merge branch 'master' of https://github.com/chyingp/e-combo …

chyingp authored 23 hours ago latest commit de9c099b77

lib	主要文件	a day ago
public	主要文件	a day ago
routers	bug fix: 非合并的资源请求出错	a day ago
README.md	Update README.md	a day ago
index.js	添加gzip压缩	23 hours ago
package.json	添加gzip压缩	23 hours ago

RESOURCES

- Express demo:https://github.com/chyingp/blog/tree/master/demo/2015.04.21-express
- Combo App:https://github.com/chyingp/e-combo
- About me:https://github.com/chyingp