



Introduction to NODEJS

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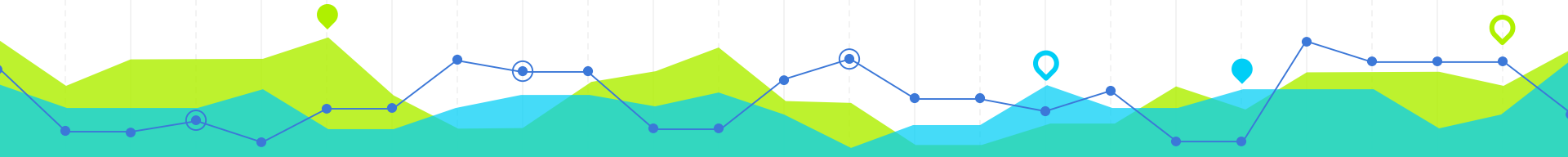
www.socrative.com
room: dxjcut5i9



Installation

www.nodejs.org

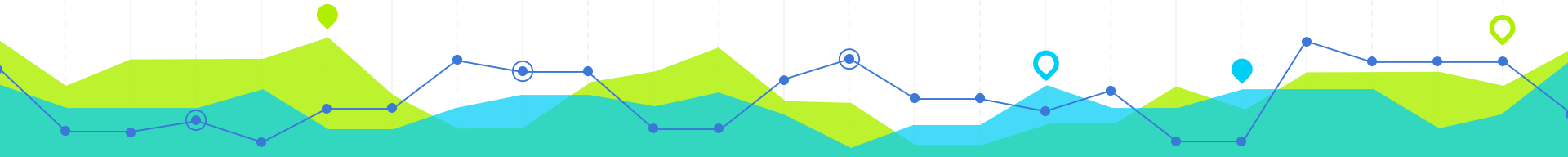
```
>node -v  
v6.11.2
```



Hello World

```
>node  
>console.log("hello world");  
hello world
```

```
>node helloworld.js
```



Pre-flight Javascript

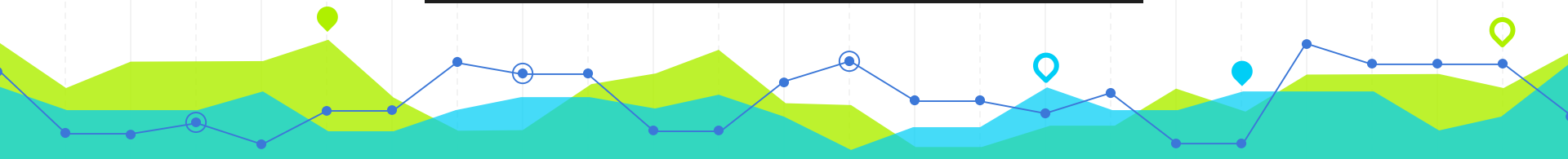


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Callback



```
function someFunction(data, callback){  
  ... console.log(3)  
  ... callback(data)  
}  
  
function execute(){  
  ... console.log(1)  
  ... someFunction(2, function(data){  
    ... console.log(data)  
  })  
  ... console.log(4)  
}  
  
execute();
```



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Simple Server



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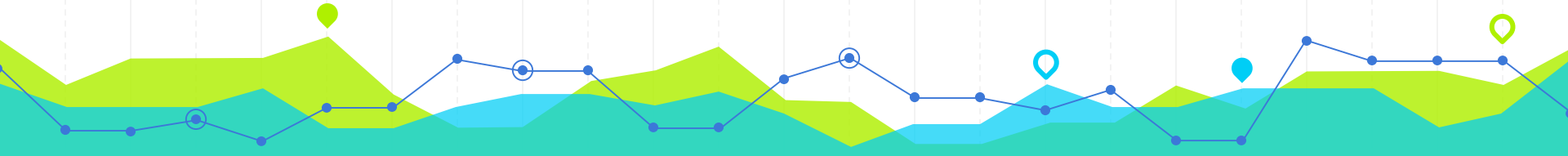
Include Modules

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

reference: https://www.w3schools.com/nodejs/ref_modules.asp

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```
var http = require('http');  
  
var server = http.createServer()  
  
server.listen(8080);
```



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

var server = http.createServer(function (req, res) {
  res.end('Hello World!');
});

server.listen(8080, function(){
  console.log('server is listening')
});
```

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NPM

```
> npm install upper-case
```



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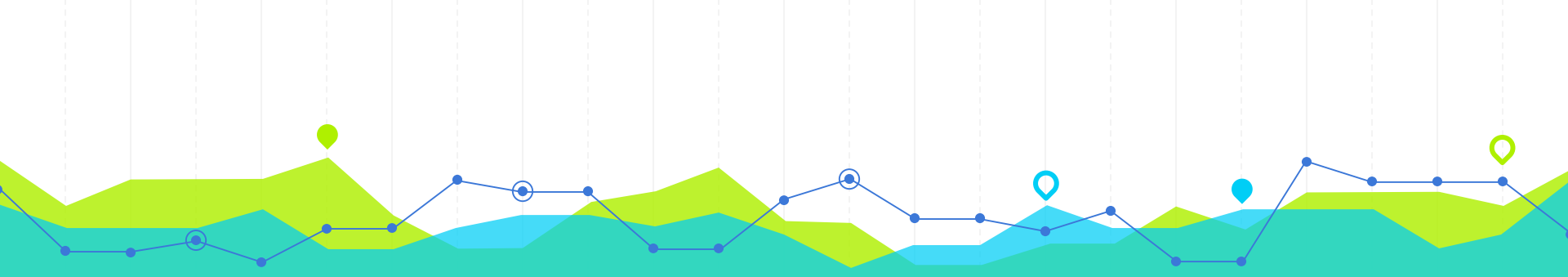
package.json

```
> npm init -f  
> npm install --save upper-case
```



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```
var http = require('http');  
var uppercase = require('upper-case')  
  
var server = http.createServer(function (req, res) {  
  res.end(uppercase('Hello world'));  
})
```



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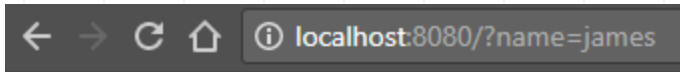
Create own modules

```
exports.myCourse = function () {  
  ... return "Web App Builder";  
};
```

```
var course = require('./my_module');  
console.log(course.myCourse())
```



Workshop #1



Hello, james

https://nodejs.org/api/url.html#url_url_parse_urlstring_parsequerystring_slashesdenotehost



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Bower

```
> npm install -g bower  
> bower init -f  
> bower install
```



File Server

```
var http = require("http");
var url = require('url')
var fs = require('fs');

var server = http.createServer(function(request, response){

  ....fs.readFile('./index.html', function(error, content){
  ....  response.writeHead(200, {'Content-Type': 'text/html'});
  ....  response.end(content);
  ....});
});

server.listen(8080, function(){
  ....console.log('server is listening')....
});
```