INTRODUCTION TO NODE.JS AND EXPRESS

SUMMARY

> **ASYNCHRONOUS**

> **EVENT DRIVEN**

> **SINGLE THREADED**

CALLBACKS: REVIEW

```javascript
function doSomething(parameters, callback) {
    // do some work

    callback();
}
```

USING CALLBACKS: EXAMPLE

```javascript
$('#element').click(function() {
    // perform button action
});
```

USING CALLBACKS: EXAMPLE 2

```
$.get("url", function(data, status) {
    // render new data
});
```

USING CALLBACKS: EXAMPLE 3

```
fs.readFile(filename, function(contents) {
    // process file data
});
```

THE SIMPLEST SERVER

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

app.get('/', function (request, response) {
  response.send('your very first server. good work!');
});

var server = app.listen(3000);
```

PACKAGE.JSON EXAMPLE

```json
{
  "name": "join_table_example",
  "version": "0.0.0",
  "private": true,
  "dependencies": {
    "pg": "^4.4.3",
    "sequelize": "^3.15.1"
  }
}
```

DIRECTORY STRUCTURE

```
.
|-- node_modules
|-- src
|-- package.json
```