Intro to Node.js CheatSheet

1. Download and install Node.js
   - Go to https://nodejs.org and click the big green button to download the CURRENT version
   - Double click on the file that was downloaded and install
   - Verify node.js is installed by opening up terminal(Mac) or PowerShell(Windows) and entering command: node --version
2. Install a text editor (if you don't have one already)
   - Sublime Text - www.sublimetext.com (RECOMMENDED) – Windows & Mac
   - Atom – www.atom.io - Windows & Mac
   - Brackets – www.brackets.io - Windows & Mac
   - You can use TextEditor or Notepad if you want
3. Install MongoDb
   - Mac users follow instructions here: (if you have brew installed, use brew to install)
     https://docs.mongodb.com/manual/tutorial/install-mongodb-on-os-x/
   - Window users follow instructions here:
     https://docs.mongodb.com/manual/tutorial/install-mongodb-on-windows/

Slide 7
```
mkdir library
cd library
touch app.js
var who = 'jennifer';
console.log('hello', who);
node app.js
```

Slide 10
```
npm init
npm install express –save
var express = require('express');
var app = express();
```

Slide 12
```
app.listen(3000, function() {
  console.log('server running')
});
node app.js
```

Slide 13
```
npm install –g nodemon
```

Slide 14
```
var port = 3000;
app.listen(port, function() {
  console.log('Server running on port' + port);
});
nodemon app.js
```

Slide 15
```
app.get('/', function(req, res) {
  res.send('Hello World');
});
```

Slide 19
```
app.get('/about, function(req, res) {
  res.send('about page');
});

app.get('/contact, function(req, res) {
  res.send('contact page');
});

app.get('/products', function(req, res) {
  res.send('products page');
});
```

Slide 22
```
mkdir public
```

Slide 23
```
app.use(express.static('public'));
localhost:3000/assets/css/style.css
```

Slide 24
```
res.sendFile('index.html', {root: __dirname});
```

Slide 25
put line below in the '/about' route
```
res.sendFile('about.html', {root: __dirname});
```

put line below in the '/contact' route
```
res.sendFile('contact.html', {root: __dirname});
```

put line below in the '/products' route
```
res.sendFile('product.html', {root: __dirname});
```

Slide 27
If you do not have mongo running then enter 'mongod' at terminal.
Verify it is running by entering 'mongo' at terminal

Slide 29
```
npm install mongoose –save
```

Slide 30
```
var mongoose = require('mongoose');
mongoose.connect('mongodb://localhost/introtonode')'
```

Slide 32

```
var Schema = mongoose.Schema;
var contactShema = new Schema({
  name: String,
  email: String,
  subject: String,
  message: String
});
```

Slide 33

```
var Contact = mongoose.model('contact', contactShema);
```

Slide 34

```
app.post('/api/newcontact', function(req, res) {

});
```

Slide 35

```
npm install body-parser –save
var bodyParser = require('body-parser');
app.use(bodyParser.json());
app.use(bodyParser.urlencoded({ extended: false }));
```

Slide 37

```
var newContact = new Contact(req.body);
newContact.save(function(err) {
  if (err) throw err;
  res.send('Contact saved');
});
```

Slide 38

```
mongo
show dbs
use introtonode
show collections
db.contacts.find()
```