**NODE JS learning**

**Word document created by Jonathan Mohabir to grasp understanding of server side web programming use Node js.**

**What even is Node js:**

* Open source server environment.
* Utilizes JavaScript on the server.

**Why node is preferred over an older approach like PHP or ASP:**

* Eliminates waiting and continues with next request sent by the client.
* Single threaded, non-blocking and a synch programming which is memory efficient.

**Node.js is totally for help with backend development… !:**

* CRUD functionality for files within server.
* Collect form data.
* Add delete modify within database.

var http = require('http');

// variable http assigned require method with http passed into parameter

http

  .createServer(function (req, res) {

    res.writeHead(200, { 'Content-Type': 'text/html' });

    res.end('Hello world!');

  })

  .listen(8080);

First lines of node.

Method createServer initializes the node environment.

From this point the terminal must be used to run node commands to have this start up the server.

After initiating this first command,

Listen into port 8000 and you will see the response. End message.

Basic end of node.

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* Node files must be initiated from the command line interface.

* Inside terminal > node **nameoffile.js**

**Node modules:**

* A module in node.js is a set of functions that can be included into an application.

* Creating modules need the keyword “require” and then the name of the model passed into parenthesis.
* **In the example provided by the code. There will be two modules created of my own and then outputted into the server page.**