**Node.js**

What is Node.js? Node.js is a free open source server environment that runs on different platforms such as Windows, Mac (Mac OS X) and many more. Node.js uses an Asynchronous programming method. Some of the common tasks of web server is the opening of the files on the server and also returns it for client to enable them to view the content. Node.js handles the file requests, which sends the task to the computer’s file system and then handles the next request in parallel. After the files have been sent to the system, it will open and read the files then again return the content to the client. Node.js is a single-threaded, non-blocking, asynchronous program which is very memory efficient and this eliminates waiting and is simply continuous with the next request. Dynamic page content may be generated by Node.js and may also open, close, write and delete, and read the files in the server. It also collects data which can be added, deleted, or modified in one’s database. A Node.js file contains tasks which will be executed in certain events for example; someone is accessing a port on your server. The files, in this case, must be initiated in the server in order to have its effect. A brief history on JavaScript ; in the year 1995, a contractor named Brendan Eich built the JavaScript Language to run web browsers. During that time its purpose initially enables animations and manipulations of a browser’s DOM or Document Object Model. Shortly afterwards, the introduction of the JavaScript language came for the Netscape Enterprise Server. The name JavaScript was chosen for marketing purposes, because at that time, the Sun’s Java language was largely recognized. JavaScript was primarily based on the scheme and self-languages together with the superficial Java-like semantics.

In the year 2009, Ryan Dahl introduced the JavaScript-based Node.js platform for Linux and Mac OS as alternatives to the Apache HTTP Server. The high level Node.js is combined with the Google V8 JavaScript engine.

Stripped-down Code

In this code, it shows the HTTP server pattern which uses the ES6 arrow functions. anonymous Lambda functions are also shown and are declared by using the fat arrow “=>” operator for callbacks.