#PROBLEM 11.2

Node.js is a server-side platform built on Google Chrome's JavaScript Engine (V8 Engine)for easily building fast and scalable network applications. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient, perfect for data-intensive real-time applications that run across distributed devices.

## Features of Node.js

* **Asynchronous and Event Driven**
* **Very Fast**
* **Single Threaded but Highly Scalable**
* **No Buffering**
* **MIT License**

JavaScript is an implementation of ECMAScript, a standard defining the programming language. Browsers have a built-in interpreter for JavaScript, along with a bunch of libraries and a run-time environment for working with web pages.   
  
 Nodejs is an interpreter and environment for java script which includes a bunch of libraries for using java script as a general-purpose programming language, with an emphasis on asynchronous and non-blocking operations. Node actually runs the same interpreter as Google Chrome (V8), but provides a different set of libraries and a different run-time environment. It also includes a package management system (NPM) and a few language extensions.  
 JS interpreter in Google Chrome and the JS interpreter in Nodejs are essentially the same. The difference is, in a browser your end goal is to modify stuff in a web page (text, graphics, stylesheets, etc.), in Nodejs it's to run general purpose code that might do anything from running a web server to manipulating files.