NodeJS
Node.JS is an open source server-side runtime environment
built on chrome's v8 javascript engine.
**** Nodejs Uses v8 javascript Execution engine ****
V8 from Google is the most used JavaScript engine.
SpiderMonkey is developed by Mozilla for use in Firefox.
JavaScriptCore is Apple's engine for its Safari browser.
Chakra is the JavaScript engine of the Internet Explorer browser.
Node.js can be used to build different types of applications
such as command-line applications, web applications. real time
chat applications, Rest API server etc.
Advantages
1. It uses javascript to buid entire server side application
2. Asynchronous by default, so it perfoems faster
3. cross-platform framework that run on windows, Mac or Linux
Datatypes
String, Number, Boolean, undefined, null, object, function
Process object
Each node.js script runs in a process. It includes process
object to get all the information about the current process
of Node.Js Application.

process.execpath
prcoess.pid
process.cwd
Modules
1. Core Modules - http, url, querystring, path
2. Local Modules - which we create on our own
3. Third-Party Modules - express, nodemon, body-parser, etc
Module.exports
It is a special object which is included in every javascript file
in the node.js application by default
module - It is a variable that represents the current module
exports - It is an object that will be exported by a module
What ever we assign to module.exports will be exposed as a module
File System
Node.JS includes fs module to access physical files
formadula is responsible for all the Asymphronous or Symphronous file IO enerations
fs module is responsible for all the Asynchronous or Synchronous file IO operations
Node.Js Event Emitter

NodeJS allows us to create and handle custom events easily by using events modules
event module includes EventEmitter class which can be used to handle custom events
ExpressJS
Express JS is a webframework for NodeJS
It makes web developement fast and easily
Advantages
1. Easy to configure
2. Allows us to define routes
3. Allows to create REst API server
4. Easy to connect to databases such as mongoDB, Redia, mySQL
Server Static Resources
It is easy to serve static files using built-in function whic is express.static
console.log(path.join(dirname, 'public'))
app.use(express.static(path.join(dirname, 'public')))
path
It is core module of NodeJS, which will help us to join the path