



NODE JS

SSD LAB

What is Node JS?

- ◊ Node.js is an open source server environment
- ◊ Node.js is free
- ◊ Node.js runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.)
- ◊ Node.js uses JavaScript on the server

Advantages of Node JS

- ◊ Node.js eliminates the waiting, and simply continues with the next request.
- ◊ Node.js runs single-threaded, non-blocking, asynchronously programming, which is very memory efficient.
- ◊ Node.js can generate dynamic page content
- ◊ Node.js can create, open, read, write, delete, and close files on the server
- ◊ Node.js can collect form data
- ◊ Node.js can add, delete, modify data in your database

Modules in Node JS

- ◇ Consider modules to be the same as JavaScript libraries.
- ◇ A set of functions you want to include in your application.
- ◇ Node.js has a set of built-in modules which you can use without any further installation.
- ◇ To include a module you should use require function.

File Handling in JS

- ◊ The Node.js file system module allows you to work with the file system on your computer.
- ◊ Require method is required to use file handling functions too.
- ◊ Common use for the File System module:
 - ◊ Read files
 - ◊ Create files
 - ◊ Update files
 - ◊ Delete files
 - ◊ Rename files

Events in Node JS

- ◊ Every action on a computer is an event. Like when a connection is made or a file is opened.
- ◊ We can use events and logging modules in node JS as well.

THE END