



Introducing JavaScript, Node.js, and NPM (Node Package Manager)

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JavaScript

- Basic program
 - `console.log("Hello, Universe")`
- Learn JavaScript online
 - <https://www.w3schools.com/js/>
- CodeAcademy
- Learn JavaScript on your own.
- Email me at ramirogonzalez@mercedenergy.com



What is node.js

- An environment for JavaScript
 - JavaScript run-time environment that executes JavaScript code outside of a browser.
- Using node gives us access to npm (node package manager)
 - npm is the largest ecosystem of open source libraries in the world.



Modules

- Code reuse
 - Create functions or libraries and use them on other programs
 - **Modules:** small units of independent, reusable code.
- 1. Create a module
- 2. Access it



require() function

- Imports the module
- Loads modules
- Makes functions from modules readily available



json files

- Stores data structures and objects
- .json extension. File format is as follows

```
{  
  
  "Name": "John"  
  
}
```

- Here "Name" is a property.



Utf-8

- UTF-8 is a variable width character encoding capable of encoding all 1,112,064 valid code points in Unicode using one to four 8-bit bytes - Wikipedia



Linux Command

- `ls -a`
 - List hidden files
- `cd .`
 - Current directory



Thank You

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