

Period-1 Plain JavaScript and Node.js



Explain and Reflect:

Explain differences between Java and JavaScript. You should include both topics related to the fact that Java is a compiled language and JavaScript a scripted language, and general differences in language features.

Do:

Explain using sufficient code examples the following features in JavaScript.

- Explain the use of: `"use strict"`
- Variable/function-Hoisting
- `this` in JavaScript and how it differs from what we know from Java/.net.
- Function Closures and the JavaScript Module Pattern
- Immediately-Invoked Function Expressions (IIFE)
- JavaScript Prototyping
- Use the Debugger to explain about the basic "things" all objects inherits from object
- User defined Callback Functions
- Explain generally about node.js and NPM.
- Explain about the Event Loop in Node.js
- Provide examples of user defined reusable modules implemented in Node.js

[Se the exercises for Period-1 to get inspiration for relevant code examples](#)