

JS JavaScript for Developers JavaScript Runtime Environment

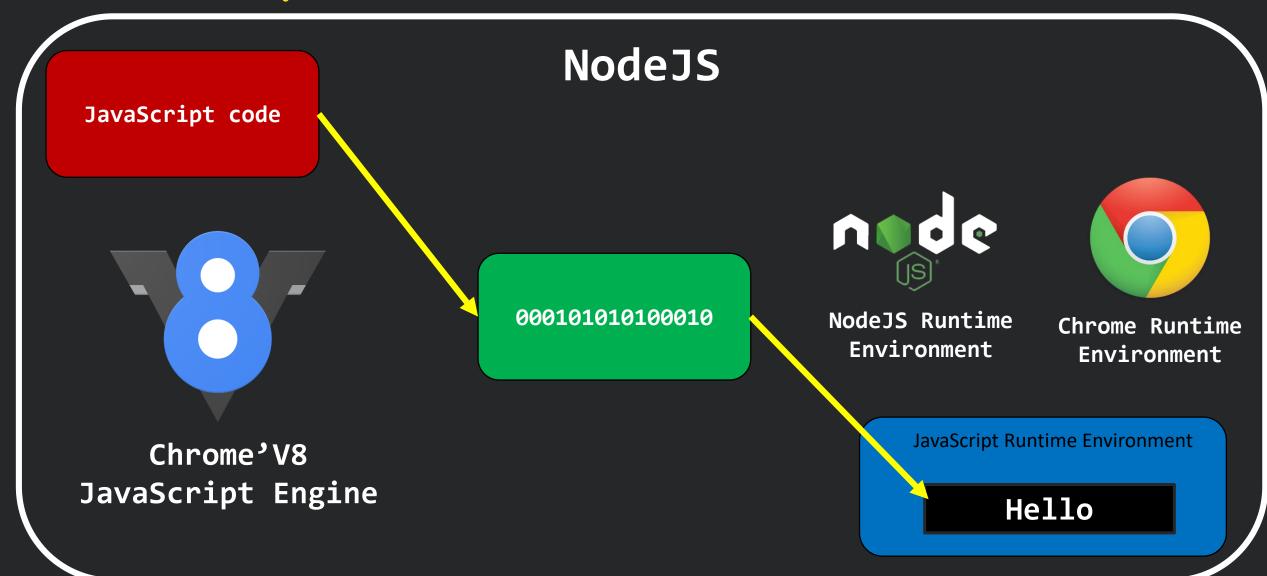


1. Java Compilation Process

JDK - Java Development Kit (JVM) System.out. printf("Hello"); > javac Hello.java Hello.java Execution Process – Runtime - JRE -000101010100010 Compilation Process – Compile time Java Compiler -Hello.class JRE – Java Runtime Environment > java Hello Hello



2. JavaScript Runtime Environment





3. Compile JS code with Bytenode

✓ Install Bytenode globally:

> npm install -g bytenode

✓ Compile and Run:





4. JavaScript Runtime Environment

| C++/Java/C# | JavaScript |
|-----------------------------|-------------------------------|
| JDK (javac), gcc, g++ (C++) | Chrome's V8 JavaScript engine |
| JRE (java) | NodeJS Runtime Environment |
| JVM | NodeJS |

#No.1: Only for reference





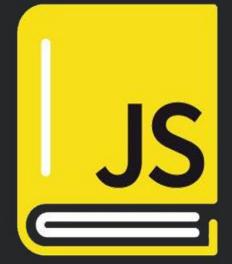
5. NodeJS Env vs Browser Env

| Browser Env | NodeJS Env |
|-------------|------------|
| window | N/A |
| document | N/A |
| N/A | global |
| N/A | process |
| console | console |









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