

Environment

Browsers

Node.js

JS Engine
Google = V8

4

Program written in c++
converts js code into a
code processor can understand
follows ECMA standard

But How?

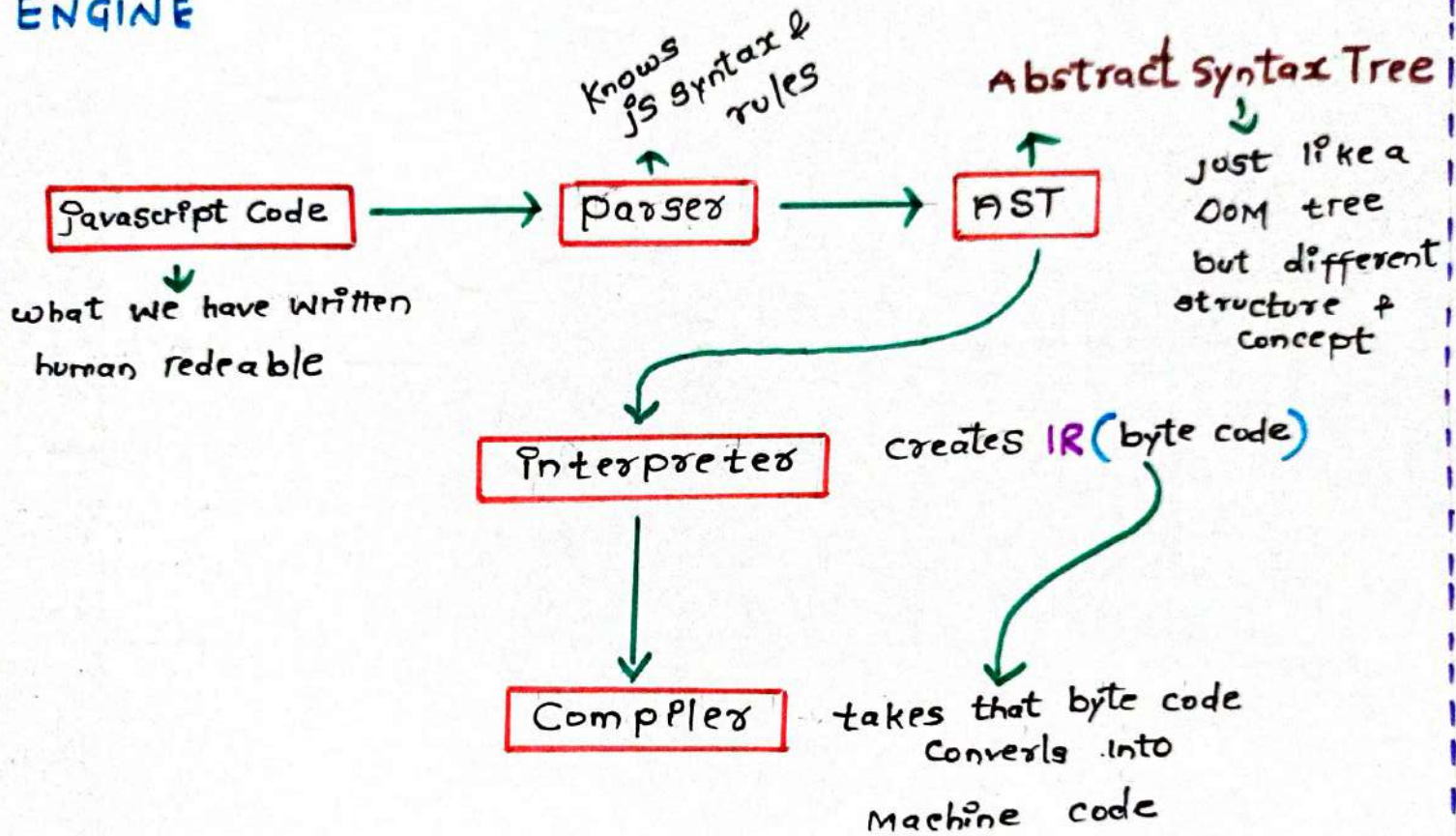
Engines

firefox = SpiderMonkey

IE = Chakra

safari = JavaScriptCore

ENGINE



Interpreter



German
|
English

Compiler



German
|
English

Interpreter

translates your code and
executes it line by line

Compiler

instantly translates all code
into machine code before executing it

JIT Compiler

Mixture of
Interpreter & Compiler
translates the source to machine
code while you are running the
application