JavaScript Runtime Environment

compiles the javascript code to native machine code instead of interpreting bytecode which gives a major performance boost to javascript (which is traditionally very slow compared to other high level languages).

1. Core JS (ECMAScript)

allows creation of apps that have multiple working extensions that all interact with each other without ever actually knowing about one another.

1. Browser Object Model (BOM)

a **browser**-specific convention referring to all the **objects** exposed by the web **browser**

1. Data Object Model (DOM)

an application programming interface (API) for valid HTML and well-formed XML documents. It defines the logical structure of documents and the way a document is accessed and manipulated.