Node js

* is a server-side platform built on Google Chrome’s JavaScript Engine (V8 Engine).
* It is developed by Ryan Dahl 2009
* Typically the file extension is **.js**

Features of Node.js

1. Asynchronous and Event Driven

All APIs of Node.js are asynchronous, that is, non-blocking. It essentially means a Node.js based server never waits for an API to return data.

1. Very Fast

Node.js library is very fast in code execution

1. No Buffering

Node.js applications never buffer any data. These applications simply output the data in chunks.

Where to Use Node.js

I/O bound Applications

Data Streaming Applications

Data Intensive Real-Time Applications (DIRT)

JSON APIs based Applications

Single Page Applications

Local Environment

1. Text Editors

You need to install text editor to type your program like Sublime Text

1. Node.js binary installable

The source code that you would write in a source file is simply javascript. The Node.js interpreter interprets and executes your javascript code.

How to run node.js file

After successfully installing node.js in your computer and configuring the environment variable by adding the path. Open command prompt and type in **node <nameof node.js file>**

Callback

A callback is called at the completion of a given task.