**Difference between Browser JS and Node JS**

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| **Browser JS** | **Node JS** |
| Browser.js is mainly used for client-side applications like validations on a web page or dynamic page display and as the name suggests it gets executed in the browser only. | Node.js javascript code gets executed outside the browser as it is an interpreter as well as an environment for running javascript and used for server-side applications. |
| Browser.js is used for frontend. | Node.js is used for backend applications. |
| Browser.js is sandboxed for the safety purposes and have access limited to the browser. | Node.js has full system access i.e can read and write directly to the file system like any other application that also concludes that we can write complete software using Node.js |
| Missing objects:”global”, “require”. | Missing objects:”window”, “location”, “document”. |
| Browser.js runs any engine like Spider monkey (Firefox), JavaScript Core (Safari), V8 (Google Chrome) accordingly to the browser. | Node.js runs in a V8 engine which is mainly used by google chrome. |
| Moduling is not mandatory for browser javascript. | In Node.js everything is a module i.e it is mandatory to keep everything inside a module. |