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| S.No | Javascript | NodeJS |
| 1. | Javascript is a programming language that is used for writing scripts on the website. | NodeJS is a Javascript runtime environment. |
| 2. | Javascript can only be run in the browsers. | We can run Javascript outside the browser with the help of NodeJS. |
| 3. | It is basically used on the client-side. | It is mostly used on the server-side. |
| 4. | Javascript is capable enough to add HTML and play with the DOM. | Nodejs does not have capability to add HTML tags. |
| 5. | Javascript can run in any browser engine as like JS core in safari and Spidermonkey in Firefox. | V8 is the Javascript engine inside of node.js that parses and runs Javascript. |
| 6. | Javascript is used in frontend development. | Nodejs is used in server-side development. |
| 7. | Some of the javascript frameworks are RamdaJS, TypedJS, etc. | Some of the Nodejs modules are Lodash, express etc. These modules are to be imported from npm. |
| 8. | It is the upgraded version of ECMA script that uses Chrome’s V8 engine written in C++. | Nodejs is written in C, C++ and Javascript. |

1. Execute the below code and write your description in txt file
   1. typeof(1) - NUMBER
   2. typeof(1.1) - FLOAT
   3. typeof('1.1') - STRING
   4. typeof(true) - BOOLEAN
   5. typeof(null) - OBJECT
   6. typeof(undefined) - UNIDENTIFIED
   7. typeof([]) - OBJECT
   8. typeof({}) - OBJECT
   9. typeof(NaN) -NUMBER

**HOW DOES THE BROWSER RENDERS A WEB PAGE:**

**STEPS:**

1. [**Start to parse the HTML**](https://dev.to/jstarmx/how-the-browser-renders-a-web-page-1ahc#1-start-to-parse-the-html)
2. [**Fetch external resources**](https://dev.to/jstarmx/how-the-browser-renders-a-web-page-1ahc#2-fetch-external-resources)
3. [**Parse the CSS and build the CSSOM**](https://dev.to/jstarmx/how-the-browser-renders-a-web-page-1ahc#3-parse-the-css-and-build-the-cssom)
4. [**Execute the JavaScript**](https://dev.to/jstarmx/how-the-browser-renders-a-web-page-1ahc#4-execute-the-javascript)
5. [**Merge DOM and CSSOM to construct the render tree**](https://dev.to/jstarmx/how-the-browser-renders-a-web-page-1ahc#5-merge-dom-and-cssom-to-construct-the-render-tree)
6. [**Calculate layout and paint**](https://dev.to/jstarmx/how-the-browser-renders-a-web-page-1ahc#6-calculate-layout-and-paint)