D3 Stands for Data-Driven Documents. It is an open-source JavaScript library developed by MIKE BOSTOCK to create custom interactive data visualizations in the web browser using SVG, HTML, CSS.

Visual representation of data are the most effective means of conveying meaningful information and D3 provides flexibility to create these data visualizations.

Required Components:

* D3.js library
* Editor
* Web browser
* Web server

D3.js Library: Here we need to include D3.js library into HTML webpage in order to use D3.js to create Data Visualization. We have two ways.

1. Include the D3.js library from our Projects folder.
2. Include D3.js library from CDN (Content Delivery network).

Download:

D3.js is an open-source library and the source code of the library is freely available on the web at <https://d3js.org/> website. Visit the D3.js website and download the latest version of D3.js (d3.zip). As of now, the latest version is 4.6.0.

After the download is complete, unzip the file and look for **d3.min.js**. This is the minified version of the D3.js source code. Copy the d3.min.js file and paste it into your project's root folder or any other folder, where you want to keep all the library files. Include the d3.min.js file in your HTML page as shown below

D3.js is a JavaScript code, so we should write all our D3 code within “script” tag. We may need to manipulate the existing DOM elements, so it is advisable to write the D3 code just before the end of the “body” tag.