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## JQuery

JQuery: a pre-defined is library developed by John Resig in the year 2006. comes with pre-defined method through which DOM operations within the page can be simplified.

- \* It supports pre-defined methods through which we can add, remove (or) update any CSS property of any HTML element dynamically.
- \* It provides set of pre-defined methods through which we can add, remove (or) update any HTML element dynamically.
- \* It provides set of pre-defined methods through which we can handle dynamic events generated on page.
- \* It provides set of pre-defined methods and objects through which Ajax communication within the page implemented easily.
- \* It supports methods of implement animations



to DOM element.

- \* It provides set of pre-defined methods through which we could able to refer existing elements on the page in different ways.

- \* It provides different set of selectors and travelling methods.

- \* 3.4.1 is the current and latest version of JQuery, <https://jquery.com/> is the website where we can download, even provides API documentation of jquery library.

### Minified and Non-Minified Code

While loading content on the browser, it is recommended to have less size of files so that browser takes less time to load them which in turn increases performance of the page.

- \* It is recommended every JS file of a web page has to go under minification process before it get deployed on production environment.

- \* Minification is the process of reducing total javascript code been written.

following are the steps to be followed in minifying code

- ① It removes all the extra spaces within the code.

- ② Replaces all the larger variable names

with smaller ones.

③ optimises the logic as much as possible.

④ removes unnecessary commands & descriptions within the file.