WTL

NAME: MANASI BELDAR.

ROLL NO 10

COACHING CLASSES.

AIM: Design web pages  using Client side scripting by j.query.

THEORY:

jQuery was introduced in January 2006 by John Resig at BarCamp NYC.

jQuery also offers functionality that allows developers to build plug-ins, in addition to the JavaScript library. This allows for the development of abstractions for animation and low-level interaction, sophisticated effects and themeable, high-level widgets. The modular mechanism of the jQuery library facilitates the development of highly effective, potent Web applications and Web pages.

The jQuery library provides several user friendly strategies and functions for rich application development. Because the functions of jQuery are simple, it is very popular among developers. jQuery may be used in all Web based applications, in spite of the technology. It may be used with ASP, PHP, JSP, CGI, Servlets and most Web programming languages.

The principles of developing with jQuery are:

* Separation of JavaScript and HTML: The jQuery library provides simple syntax for adding [event](https://en.wikipedia.org/wiki/Event_(computing)) handlers to the [DOM](https://en.wikipedia.org/wiki/Document_Object_Model) using JavaScript, rather than adding [HTML event attributes](https://en.wikipedia.org/wiki/HTML_attribute#Event_attributes)to call JavaScript functions. Thus, it encourages developers to [completely separate](https://en.wikipedia.org/wiki/Separation_of_concerns) JavaScript code from HTML markup.
* Brevity and clarity: jQuery promotes brevity and clarity with features like "chainable" functions and shorthand function names.
* Elimination of cross-browser incompatibilities: The JavaScript engines of different browsers differ slightly so JavaScript code that works for one browser may not work for another. Like other JavaScript toolkits, jQuery handles all these cross-browser inconsistencies and provides a consistent interface that works across different browsers.
* Extensibility: New events, elements, and methods can be easily added and then reused as a plugin

CONCLUSION: The purpose of jQuery is to make it much easier to use JavaScript on your website.

jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.

jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.