

# Assignment - III

Title :- Perform validations using Javascript / JQuery.

Problem Statement :-

Perform validations using Javascript / JQuery on one of the application.

Objective :-

- i) To understand depth working of javascript & JQuery.
- ii) To use javascript & JQuery for providing validations, animation & effects to any web application.

H/W & S/W :- Eclipse IDE; 64 bit Fedora OS.

Theory :-

Javascript :- It was initially created to 'make webpages alive'.

The programs in this language are called as scripts. They can be written right in the HTML & execute automatically as the page loads.

Scripts are provided & executed as a plain text. They don't need special preparation or compilation to run. Javascript is very different from another language Java.

For instance in browser Javascript is able to

- (i) Add new HTML to page change the existing content, modify styles.
- (ii) Read the users reaction, run on mouse click pointer moments, key processor.
- (iii) Get & set cookies, ask questions to the visitor, show messages.
- (iv) Remember data on client side.
- (v) Sent request over the network to remote server, download & upload files.



JQuery :- getting started with JQuery can be easy or challenging, depending on your experience with javascript, HTML, CSS & programming concepts in general. One important thing to know is that JQuery is just a javascript library how it works as follows.

```
<!doctype HTML>
```

```
<html>
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<title> Demo </title>
```

```
</head>
```

```
<body>
```

```
<a href="http://jquery.com">
```

```
jquery </a>
```

```
<script src="jquery.js"> </script>
```

```
<script>
```

```
// your code
```

```
</script>
```

```
</body>
```

```
</html>
```



## Callbacks & Functions :-

Unlike many other programming language, js enables you to freely pass function around to be executed at later time.

Callbacks without arguments

```
$ .get("myhtmlpage.html", mycallback());
```

- callback with arguments  
executing callback with arguments  
can be tricky

- wrong !

This one won't work.

```
$ .get("myhtmlpage.html", mycallback(param,  
param));
```

## Conclusion :-

We successfully design the calculator, login validation using Javascript & JQuery.

$$1*6-3/2$$

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4	5	6	-
7	8	9	/
0	C	=	*
.			

7.5

1	2	3	+
4	5	6	-
7	8	9	/
0	C	=	*
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