

ASSIGNMENT-3

3. What is the difference between "this" and \$(this) in jQuery programming?

In jQuery, this and \$(this) are both keywords that refer to the current DOM element. However, there are some key differences between the two.

this

- this refers to the current DOM element that is the source of the event.
- this is a reference to the DOM object, whereas (*this*) is the jQuery wrapper around same.
- When using this, you can call DOM methods on it, but not jQuery methods.

\$(this)

- (*this*) is a jQuery wrapper around the current DOM element.
- (*this*) enables usage of jQuery methods.
- When using \$(this), you can call jQuery methods on it, but not DOM methods.

Example: How this and \$(this) can be used in jQuery:

```
<div id="myDiv">This is my div.</div>
```

```
<script>
```

```
$(document).ready(function() {
```

```
    // this refers to the div element with id "myDiv"
```

```
    $("#myDiv").click(function() {
```

```
        alert("You clicked on the div!");
```

```
    });
```

```
    // $(this) refers to the div element with id "myDiv"
```

```
    $("#myDiv").click(function() {
```

```
        $(this).css("background-color", "red");
```

```
    });
```

```
});
```

```
</script>
```