What is Jquery? And features?

Jquery is javascript library which easily manipulates the DOM.
It has massive community
It supports all browsers.
There are 1000 plugins.
It simplifies javascript
It comes with built in animations.

What are the ways to install jQuery?

Local installation: download the jquery, copy paste the code to the file

CDN(Content delivery network) link: directly give the link in <script> tag.

What DOM?

The DOM(Document object model) is the tree structure of the various elements of HTML.

JQuery syntax?

$(selector).action()
Jquery selector allows us to select and manipulate the element.

Ex:

$("h1").css("color","red")
$(ul li a).css("color", "blue")

Jquery methods()?

script:
Let design ={
Color: "red", background-color: "gray"
};

$("h1").css(design) → gives all the styling of design object.

before() → before method inserts specified content before the element.

Ex: $("ul").before("<h2>Hello</h2>");

after() → after method inserts specified content after the element.

Ex: $("ul").after("<h2>Hello</h2>");

text() → text method is used to set or return the text content of the selected elements.

$("p").text("welcome")

html() → return the content same as text but the difference is it returns the html tags when we call $("ul").html().

attr() → is used to set or return attributes values of the selected elements.

Ex:
Css:
.puppers{
Float: left;
}

Img{
Width: 300px;
Height: 200px;
}

Jquery:
$("img").attr("border","5px solid black");

Val() → return values of the selected elements

$("button").click(function(){
     alert("value:" + $("sometext").val());
});

click() → is execute when somebody clicks on the element.

addClass() → method adds one or more class to the selected element.

$("button").click(function(){
$("img").addClass("styleclass");
});

.styleclass{
Border: 2px solid red;
}

removeClass() → remove the class which has been added.

$("img").addClass("styleclass")

toggleClass() → toggles between adding and removing one or more class to the selected element.

$("img").toggleClass("styleclass")

Events:
click() → executes some function on click

```
$("img").click(function(){
        $(this).hide();
});
```

on() → can be used with click and keydown, keyup

```
$("input").on("keypress", function(){
   $("p:last").hide();
});
```

hide() → hide a selected element

```
$("#hide").click(function(){
   $("img").hide();
})
```

```
$("#show").click(function(){
   $("img").show();
})
```

$("img").toggle();

fadeOut() → fades out a selected element.

```
$("button").click(function(){
    $("#one").fadeOut("slow");
     $("#two").fadeOut("fast");
 $("#three").fadeOut("slow");
})
```

fadeIn() → fades in a selected element.

```
$("button").click(function(){
    $("#one").fadeIn("slow");
     $("#two").fadeIn("fast");
 $("#three").fadeIn("slow");
})
```

slideUp() → effect is used to slide up a selected element.

```
$("button").on("click", function(){
    $("#div").slideUp("slow");
})
```

slideDown() → effect is used to slide down a selected element.

```
$("button").on("click", function(){
    $("#div").slideUp("slow");
})
```

JQuery UI:
draggable() -- method used to drag a selected element

```
$("img").draggable();
```

droppable() → method used to drop a selected element

```
$("img").draggable();
$("img").droppable();
```

datepicker() → used to pick a date

```
$("#date").datepicker();
```