

## Q-1-What is difference between document and window object?

Ans:-

Document object **represent** a web page that is loaded in the browser.

The document object **represent** a web page that is loaded in the browser.

By accessing the document object, we can access the element in the HTML page.

With the help of document objects, we can add **dynamic** content to our web page.

The document object can be accessed with a window.

**Syntax :-**document.property\_name;

**activeElement:-** It returns the currently **active** elements in the document.

**body:-** It returns the contents of **the body element**.

**anchors:-** It returns all <a> elements that have a **name** attribute.

**baseURI:-** It returns a string value **that represents the base URI** of the document.

**cookie:-** It returns the **cookie of the current** document.

**charset:-** It returns a string, **representing the document's character encoding**.

**defaultView:-** It returns the **current** Window Object.

**designMode:-** It is used to **set** documents **as editable** or **read-only**.

**domain:-** It returns the **domain name** of the document server.

**doctype:-** It **returns the document's doctype**.

**embeds:-** It returns the **collection of all embedded elements**.

**URL:-** It returns **the complete URL of the document**.

**forms:-** It returns **all the elements of the form**.

**fullScreenElement:-** It returns the element that is currently **present in full-screen mode**.

**title:-** It returns **the title element of the document**.

**head:-** It returns the **head element of the document**.

**links:-** It returns all <area> and <a> elements that have a **href** attribute.

**lastModified:-** It returns the date and time of the current document that was **last modified**.

**images:-** It returns **the collection of <img> elements** in the document.

**implementation:-** It returns **the DOMImplementation object** associated with the current document.

**readyState:-** It returns **the loading status** of the current document.

**referrer:-** It **returns the URI of the page** that is linked to the current page.

**scripts:-** It **returns all script elements** present in the document.

**strictErrorChecking:-** It sets or returns whether **strict error checking** can be enforced on a document or not.

Methods of document:

Syntax: -

Document.method\_name;

**The list of methods are below:-**

**addEventListener: -** It is used to attach an **event handler to the specified element**.

**adoptnode:-** It is **used to adopt a node from another document** and it returns a node object, representing the adopted node.

**Close():-**It is use to **close output** stream.

**CreateAttribute:-** It is used to **create an attribute** node with the specified name and returns the attribute object.

**createComment():-**It is used to **create a comment** node with some text.

**CreateFragment():-**It is use to **change document content**.

**createElement():-**It is use to **create HTML Document**.

**createEvent():-**It is use to **create events object**.

**createTextNode():-**It is use to **create textnode**.

**ExecCommmand():-**It is used to **execute a command** specified by the user **on the editable selected section**. It returns a Boolean value.

**fullscreenEnabled:-** It is used to check whether the document can be **viewed in fullscreen mode or not**. It returns a boolean value.

**getElementById():-**It **returns** the object of the given ID. If **no object** with that id exists then it **returns null**.

**getElement Byclassname():-** It returns an object containing all the elements **with the specified class** names in the document as objects.

**getElementByname():-**It returns an object containing all the elements **with the specified name** in the document as objects.

**getElementByTagnames():-**It returns an object containing all the elements **with the specified tag names** in the document as objects.

**hasFocus():-**It returns a boolean value that indicates whether the **document or element has focus or not**.

**ImportNode():-**It imports the **copy of a node** from another document in the current document.

**Normalize():**-It flushes out the empty nodes and merges the adjacent text nodes with the first text node and

**normalizeDocument():**-It is **used to normalize an HTML document** by **removing any empty text nodes** and joining the adjacent text nodes.

**Open():**- It is used to **open the output stream** to **collect** the output.

**querySelector():**-It returns the **first element** that **matches** a specified CSS selector(s) in the document.

**querySelectorAll():**-It returns a collection of **an element's child elements** that **matches** a specified **CSS selector(s)** in the document.

**removeEventListener():**-It **removes** the event handler from an element that has an attached event.

**renameNode():**-It is **rename** the node.

**Write():**-It is use to **write** content.

**WriteLn():**-It is use **to add new line** character.

**Example :-** Here Below Example of Document object.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title>doct's Properties</title>
```

```
    <style>
```

```
        h1 {
```

```
            color: red;
```

```
        }
```

```
    </style>
```

```
</head>
```

```
<body>
```

```
  <h1> Our Document </h1>
```

```
  <button onclick="myFunction()">CLICK ME</button>
```

```
  <p id="demo"></p>
```

```
<script>
```

```
  function myFunction() {
```

```
    var title = document.title;
```

```
    var domain = document.domain;
```

```
    var body = document.body;
```

```
    document.getElementById("demo").innerHTML =
```

```
    "the title of the document is : "
```

```
    + title
```

```
    + "<br>"
```

```
    + "domain : "
```

```
    + domain
```

```
    + "<br>"
```

```
    + "body : "
```

```
    + body;
```

```
  }
```

```
</script>
```

</body>

</html>

The main deference is given below:-

When JavaScript is executed inside the browser, **the window object is the JavaScript Global object. The document object is a property of the window object.** The window object represents the browser window. The document object represents the HTML document loaded in that window.