

JAVASCRIPT

WHAT IS WINDOW OBJECT ?

It represents the browser's window. All global JavaScript objects, functions, and variables automatically become members of the window object. Global variables are properties of the window object. Global functions are methods of the window object.

- **window.innerHeight** - the inner height of the browser window (in pixels)
- **window.innerWidth** - the inner width of the browser window (in pixels)
- The **screen.availWidth** property returns the width of the visitor's screen, in pixels, minus interface features like the Windows Taskbar.
- The **screen.availHeight** property returns the height of the visitor's screen, in pixels, minus interface features like the Windows Taskbar.
- **window.location.href** returns the href (URL) of the current page
- **window.location.hostname** returns the domain name of the web host
- **window.location.pathname** returns the path and filename of the current page
- **window.location.protocol** returns the web protocol used (http: or https:)
- **history.back()** - same as clicking back in the browser
- **history.forward()** - same as clicking forward in the browser
- **LocalStorage** is a data storage type of web storage. This allows the JavaScript sites and apps to store and access the data without any expiration date. This means that the data will always be persisted and will not expire. So, data stored in the browser will be available even after closing the browser window.

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WHAT IS HTTP REQUEST?

HTTP works as a request-response protocol between a client and server. Example: A client (browser) sends an HTTP request to the server; then the server returns a response to the client. The response contains status information about the request and may also contain the requested content.

What is JSON?

- JSON stands for JavaScript Object Notation
- JSON is a lightweight format for storing and transporting data
- JSON is often used when data is sent from a server to a web page
- JSON is "self-describing" and easy to understand

WHAT IS AN AJAX?

- AJAX is not a programming language.
- AJAX is a technique for accessing web servers from a web page.
- AJAX stands for Asynchronous JavaScript And XML.

THE ONREADYSTATECHANGE PROPERTY

- The onreadystatechange property defines a function to be executed when the readyState changes.
- The status property and the statusText property holds the status of the XMLHttpRequest object.
- Stores a function (or the name of a function) to be called automatically each time the readyState property changes

readyState

Holds the status of the XMLHttpRequest.

status code

An HTTP status code is a message a website's server sends to the browser to indicate whether or not that request can be fulfilled.

AJAX - Server Response- readyState

The readyState property holds the status of the XMLHttpRequest.

- 0: request not initialized
- 1: server connection established
- 2: request received
- 3: processing request
- 4: request finished and response is ready

HTTP Status Codes

Level 200 (Success)

200 : OK

201 : Created

203 : Non-Authoritative
Information

204 : No Content

Level 400

400 : Bad Request

401 : Unauthorized

403 : Forbidden

404 : Not Found

409 : Conflict

Level 500

500 : Internal Server Error

503 : Service Unavailable

501 : Not Implemented

504 : Gateway Timeout

599 : Network timeout

502 : Bad Gateway



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LEARNING
AND
HAPPY
CODING**