

window.location()

In JavaScript, the `window.location` object provides information about the current URL of the browser and can be used to navigate to a different URL. It has various properties and methods that allow you to work with the browser's location.

Properties:

`window.location.href`:

Gets or sets the entire URL.

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```
console.log(window.location.href); // Get current URL
```

```
window.location.href = "https://example.com"; // Redirect to a new URL
```

`window.location.protocol`:

Gets or sets the protocol (e.g., "http:", "https:").

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```
console.log(window.location.protocol); // Get current protocol
```

`window.location.hostname`:

Gets or sets the host name of the URL.

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```
console.log(window.location.hostname); // Get current host name
```

window.location.pathname:

Gets or sets the path and filename of the URL.

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```
console.log(window.location.pathname); // Get current path
```

window.location.search:

Gets or sets the query string part of the URL.

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```
console.log(window.location.search); // Get current query string
```

window.location.hash:

Gets or sets the fragment identifier part of the URL (the part after #).

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```
console.log(window.location.hash); // Get current hash
```

Methods:

`window.location.assign(url):`

Loads a new document.

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```
window.location.assign("https://example.com");
```

`window.location.replace(url):`

Replaces the current document with a new one, without adding to the browser history.

Example:

```
window.location.replace("https://example.com");
```

`window.location.reload(forceReload):`

Reloads the current document. If `forceReload` is true, it forces a reload from the server (ignoring the cache).

Example:

```
window.location.reload(); // Reload without forcing cache
```

```
window.location.reload(true); // Force reload from the server
```

These properties and methods provide powerful capabilities for working with the browser's location, allowing you to navigate between pages, read various parts of the URL, and perform actions based on the current

URL.