

The screenshot shows a web browser window with the ChatGPT interface. The address bar shows the URL `chatgpt.com/q/68649bf5-f1a0-800c-8127-ec960f6e6e7e`. The left sidebar contains a list of chats, with "DOM in JavaScript" selected. The main chat area displays the following content:

what is DOM in javascript

In JavaScript, DOM stands for **Document Object Model**.

Definition:

The DOM is a **programming interface** for web documents. It represents the **structure** of a webpage as a **tree-like model** where each element, attribute, and piece of text becomes an **object** that JavaScript can interact with.

Think of it like this:

- The **HTML page** is converted by the browser into the **DOM**.
- JavaScript uses the DOM to **read, modify, add, or delete** elements dynamically.

Example:

Given this HTML:

```
html<!DOCTYPE html><html><body><h1 id="title">Hello World</h1></body></html>
```

Ask anything

ChatGPT can make mistakes. Check important info. See [Cookies Preferences](#).

The Windows taskbar at the bottom shows the search bar and various application icons. The system tray on the right indicates the language is ENG IN, and the time is 08:12 on 02-07-2025.

The screenshot shows the same ChatGPT interface, but with additional content:

Example:

Given this HTML:

```
html<!DOCTYPE html><html><body><h1 id="title">Hello World</h1></body></html>
```

You can access and modify it using JavaScript like:

```
js<script>document.getElementById("title").innerText = "Welcome to DOM!";</script>
```

Key Concepts:

Concept	Meaning
<code>document</code>	The root of the DOM tree (represents the whole page).
<code>getElementById</code>	Method to select an element by its ID.
<code>innerText</code> / <code>innerHTML</code>	Property to change the text or HTML content.
<code>createElement()</code>	Create new HTML elements.
<code>appendChild()</code> / <code>removeChild()</code>	Add to / remove elements.

Ask anything

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The Windows taskbar at the bottom shows the search bar and various application icons. The system tray on the right indicates the language is ENG IN, and the time is 08:13 on 02-07-2025.

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what is BOM

Share

DOM in JavaScript stands for Browser Object Model.

Definition:

The BOM allows JavaScript to interact with the browser itself, outside of the web page content (which is handled by the DOM).

DOM vs BOM:

Feature	DOM	BOM
Stands for	Document Object Model	Browser Object Model
Purpose	Interact with HTML content	Interact with browser features
Examples	<code>document.getElementById()</code>	<code>window.alert()</code> , <code>navigator.userAgent</code> , <code>location.href</code>

BOM Key Objects:

Object

Use

`window`

The global object. Everything in BOM is a property of `window`.

Ask anything

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BOM Key Objects:

Share

BOM Key Objects:

Object	Use
<code>window</code>	The global object. Everything in BOM is a property of <code>window</code> .
<code>navigator</code>	Gives info about the browser (e.g., user agent, online status).
<code>screen</code>	Info about the user's screen (width, height, etc).
<code>location</code>	Info about the current URL. You can redirect or reload.
<code>history</code>	Allows navigation through the browser history.
<code>alert()</code> , <code>confirm()</code> , <code>prompt()</code>	Browser dialogs.

Examples:

```
1 // Alert box (part of BOM)
2 alert("Welcome!");
3
4 // Redirect to another page
5 location.href = "https://www.google.com";
6
7 // Browser information
8 console.log(navigator.userAgent);
9
10 // Go back one page in history
11 history.back();
```

Ask anything

Tools

ChatGPT can make mistakes. Check important info. See [Cookies Preferences](#).

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