

Q1 [Interview] What is BOM in JavaScript?

Ans: Browser Object Model gives access to browser-specific features.

Q2 [Interview] What is the window object?

Ans: Global object representing browser window.

Q3 [Interview] How to open a new window?

Ans: Use window.open().

```
window.open('https://example.com')
```

Q4 [Interview] What does window.alert() do?

Ans: Shows alert popup.

Q5 [Interview] What is screen.width?

Ans: Gives screen width in pixels.

Q6 [Interview] What is navigator.userAgent?

Ans: Gives browser and OS details.

Q7 [Interview] What does location.href return?

Ans: Returns the full URL.

Q8 [Interview] What is window.history?

Ans: Access browser's session history.

Q9 [Interview] How to go back in history?

Ans: Use history.back().

Q10 [Interview] How to reload the page?

Ans: Use location.reload().

Q11 [Interview] What does location.assign() do?

Ans: Redirects to new URL.

Q12 [Interview] Difference between replace() and assign() in location?

Ans: replace() doesn't keep history.

Q13 [Interview] What is window.innerHeight?

Ans: Height of the window's viewport.

Q14 [Interview] What is navigator.language?

Ans: Returns browser language.

Q15 [Interview] Can BOM be accessed in Node.js?

Ans: No, BOM is only in browsers.

Q16 [DSA] Print user's browser info.

Ans: Use navigator.userAgent

```
console.log(navigator.userAgent)
```

Q17 [DSA] Redirect user after 3 seconds.

Ans: Use setTimeout with location.href.

```
setTimeout(() => location.href = 'https://example.com', 3000)
```

Q18 [DSA] Check if screen width > 1024.

Ans: Use screen.width.

```
if(screen.width > 1024) { alert('Wide Screen'); }
```

Q19 [DSA] Open popup window on button click.

Ans:

Q20 [DSA] Show alert if user is not on Chrome.

Ans: Check navigator.userAgent.

Q21 [DSA] Detect and print browser language.

Ans: console.log(navigator.language);

Q22 [DSA] Reload page after form submission.

Ans:

Q23 [DSA] Go two pages back in history.

Ans: history.go(-2);

Q24 [DSA] Track how many times page reloaded.

Ans: Use localStorage counter.

Q25 [DSA] Store current URL in variable.

Ans: let url = location.href;

Q26 [DSA] Extract domain from current URL.

Ans: Use location.hostname.

Q27 [DSA] Redirect to HTTPS if using HTTP.

Ans:

Q28 [DSA] Show custom alert if screen height < 500.

Ans:

Q29 [DSA] Block page load if not on mobile.

Ans:

Q30 [DSA] Save and load scroll position using window.scrollToY.

Ans:

Q31 [LeetCode] typeof window?

Ans: 'object'

Q32 [LeetCode] typeof navigator?

Ans: 'object'

Q33 [LeetCode] typeof location?

Ans: 'object'

Q34 [LeetCode] typeof history?

Ans: 'object'

Q35 [LeetCode] window === this?

Ans: true in global scope

Q36 [LeetCode] screen.availHeight is?

Ans: Available height excluding taskbars.

Q37 [LeetCode] What does history.length return?

Ans: Number of entries in history stack.

Q38 [LeetCode] Does location.hash include #?

Ans: Yes.

Q39 [LeetCode] Can we use window.print()?

Ans: Yes, it opens print dialog.

Q40 [LeetCode] Can navigator.cookieEnabled be false?

Ans: Yes.

Q41 [Conceptual] Is window a global object?

Ans: Yes.

Q42 [Conceptual] What happens if window.open blocked?

Ans: Popup blocked by browser.

Q43 [Conceptual] Is screen.width always reliable?

Ans: No, it may vary with zoom and resolution.

Q44 [Conceptual] Is window.history modifiable?

Ans: Limited to navigation, not direct manipulation.

Q45 [Conceptual] Is location object read-only?

Ans: Partially some props are writable.

Q46 [Conceptual] Can we spoof navigator.userAgent?

Ans: Yes with developer tools.

Q47 [Conceptual] Does location.reload() clear cache?

Ans: No, unless with true param.

Q48 [Conceptual] What is window.screen.availWidth?

Ans: Total screen width available.

Q49 [Conceptual] Difference between location and document.location?

Ans: Same object.

Q50 [Conceptual] Can BOM work in service workers?

Ans: Partially; limited window access.