**JavaScript Web APIs with Examples**

**1. fetch() – Network Request API**

javascript

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fetch("https://jsonplaceholder.typicode.com/posts/1")

.then(response => response.json())

.then(data => console.log(data));

**2. localStorage / sessionStorage – Storage API**

**localStorage**

javascript

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localStorage.setItem("username", "subhash");

console.log(localStorage.getItem("username")); // "subhash"

localStorage.removeItem("username");

**sessionStorage**

javascript

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sessionStorage.setItem("token", "abc123");

console.log(sessionStorage.getItem("token")); // "abc123"

**3. navigator – Browser Info API**

javascript

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console.log(navigator.userAgent); // Browser info

console.log(navigator.language); // e.g., "en-US"

console.log(navigator.onLine); // true/false

**4. geolocation – Location API**

javascript

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navigator.geolocation.getCurrentPosition(

position => {

console.log(position.coords.latitude, position.coords.longitude);

},

error => {

console.error(error);

}

);

**5. setTimeout() / setInterval() – Timer APIs**

javascript

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setTimeout(() => console.log("Hello after 1 sec"), 1000);

let id = setInterval(() => console.log("Repeat every 2 sec"), 2000);

// clearInterval(id);

**6. alert(), prompt(), confirm() – Dialog APIs**

javascript

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alert("Welcome!");

let name = prompt("Enter your name:");

let isConfirmed = confirm("Are you sure?");

**7. console – Debugging API**

javascript

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console.log("Normal log");

console.warn("Warning");

console.error("Error");

**8. document / window – DOM APIs**

javascript

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console.log(document.title); // Get page title

document.body.style.background = "lightblue"; // Change background

window.scrollTo(0, 100); // Scroll page

**9. FormData – For Sending Form Data**

javascript

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const form = document.querySelector("form");

const formData = new FormData(form);

fetch("/submit", {

method: "POST",

body: formData

});

**10. history – Browser Navigation**

javascript

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history.back(); // Go back

history.forward(); // Go forward

**11. location – URL Info**

javascript

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console.log(location.href); // Full URL

location.reload(); // Reload page

**12. Performance API – Measure Speed**

javascript

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console.log(performance.now()); // High precision timestamp

**13. Clipboard API – Copy/Paste**

javascript

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navigator.clipboard.writeText("Copied text!");

**14. SpeechSynthesis API – Text to Speech**

javascript

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const msg = new SpeechSynthesisUtterance("Hello World");

speechSynthesis.speak(msg);

**15. Battery API (Experimental)**

javascript

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navigator.getBattery().then(battery => {

console.log(battery.level \* 100 + "%");

});