💾 IndexedDB Quick Start Guide

Learn how to:

- Use IndexedDB in the browser

- Create a DB, store, and data

- Read and update records

📚 1. What is IndexedDB?

- A low-level, key-value store built into all modern browsers

- Works asynchronously using events and transactions

- Great for storing large amounts of structured data offline

🏗️ 2. Open a Database

```javascript
const request = indexedDB.open("MyDB", 1);

request.onupgradeneeded = function(event) {
  const db = event.target.result;
  db.createObjectStore("users", { keyPath: "id" });
};
```

✍️ 3. Add Data

```javascript
request.onsuccess = function(event) {
  const db = event.target.result;
  const tx = db.transaction("users", "readwrite");
  const store = tx.objectStore("users");

  store.add({ id: 1, name: "Alice" });
  store.add({ id: 2, name: "Bob" });

  tx.oncomplete = () => db.close();
};
```

🔍 4. Read Data

```javascript
const request = indexedDB.open("MyDB");

request.onsuccess = function(event) {
  const db = event.target.result;
  const tx = db.transaction("users", "readonly");
  const store = tx.objectStore("users");

  const getRequest = store.get(1);
  getRequest.onsuccess = () => {
    console.log(getRequest.result);
  };
};
```

✅ You're Ready

- IndexedDB works in all modern browsers

- Offline-first, structured data storage

- Great for PWAs and local storage

📘 [MDN IndexedDB Docs](#)