



# SQLite Quick Start Guide

Learn how to:

- Install SQLite
- Create a database
- Access with Node.js

# 1. Install SQLite

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## Ubuntu/macOS

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```
sudo apt install sqlite3      # Ubuntu  
brew install sqlite           # macOS
```

## Windows

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Download from:

👉 <https://www.sqlite.org/download.html>



## 2. Create a Database

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```
sqlite3 mydb.sqlite
```

Then in the SQLite shell:

```
CREATE TABLE users (  
  id INTEGER PRIMARY KEY AUTOINCREMENT,  
  name TEXT,  
  email TEXT  
);
```

```
INSERT INTO users (name, email) VALUES ('Alice', 'alice@example.com');  
INSERT INTO users (name, email) VALUES ('Bob', 'bob@example.com');
```



## 3. Access with Node.js

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Install SQLite package:

```
npm install sqlite3
```

Create `app.js` :

```
const sqlite3 = require('sqlite3').verbose();
const db = new sqlite3.Database('./mydb.sqlite');

db.serialize(() => {
  db.each("SELECT id, name, email FROM users", (err, row) => {
    if (err) throw err;
  });
});
```

## 4. Run the App

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```
node app.js
```

Output:

```
1: Alice <alice@example.com>  
2: Bob <bob@example.com>
```

## ✓ You're Ready

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- SQLite installed
- DB created and populated
- Node.js connected successfully

Happy coding! 🎉

<https://sqlite.org>