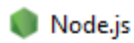


INJECTION SQL

- 1- Téléchargement de Node.js



```
Welcome to Node.js v24.11.1.  
Type ".help" for more information.  
-
```

- 2- Activation de WAMP parce que mon Docker ne marche pas

Étape 1 : Créer la base de données (via WAMP)

- 3- Création de la base `login_db`, la table `users` et ajoute l'utilisateur `testuser`.

```
CREATE DATABASE login_db;  
USE login_db;
```

```
CREATE TABLE users (  
  id INT AUTO_INCREMENT PRIMARY KEY,  
  username VARCHAR(255) NOT NULL,  
  password VARCHAR(255) NOT NULL  
);
```

```
INSERT INTO users (username, password) VALUES ('testuser', 'password123');
```

Étape 2 : Créer le dossier du projet

Création de mon dossier `sql-injection-demo` sur le bureau et du sous-dossier `app`.

Invite de commandes

```
C:\Users\Pavilon\OneDrive\Images\Bureau\sql-injection-demo\app>npm init -y
Wrote to C:\Users\Pavilon\OneDrive\Images\Bureau\sql-injection-demo\app\package.json:

{
  "name": "app",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "type": "commonjs"
}

C:\Users\Pavilon\OneDrive\Images\Bureau\sql-injection-demo\app>npm install express mysql body-parser
added 75 packages, and audited 76 packages in 14s

22 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

C:\Users\Pavilon\OneDrive\Images\Bureau\sql-injection-demo\app>
```

Invite de commandes - node server.js

```
{
  "name": "app",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "type": "commonjs"
}

C:\Users\Pavilon\OneDrive\Images\Bureau\sql-injection-demo\app>npm
added 75 packages, and audited 76 packages in 14s

22 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

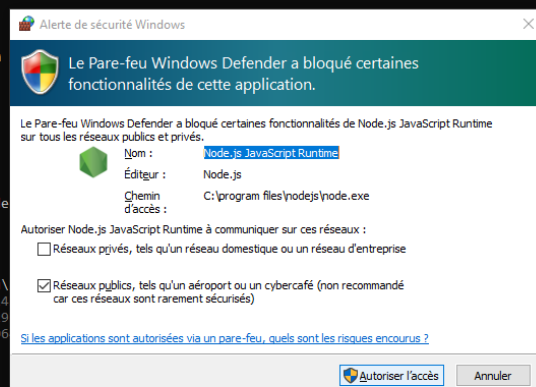
C:\Users\Pavilon\OneDrive\Images\Bureau\sql-injection-demo\app>node
node:internal/modules/cjs/loader:1424
    throw err;
    ^

Error: Cannot find module 'C:\Users\Pavilon\OneDrive\Images\Bureau\
  at Module._resolveFilename (node:internal/modules/cjs/loader:14
  at defaultResolveImpl (node:internal/modules/cjs/loader:1059:19
  at resolveForCJSWithHooks (node:internal/modules/cjs/loader:106
  at Module.load (node:internal/modules/cjs/loader:1227:37)
  at TracingChannel.traceSync (node:diagnostics_channel:328:14)
  at wrapModuleLoad (node:internal/modules/cjs/loader:245:24)
  at Module.executeUserEntryPoint [as runMain] (node:internal/modules/run_main:104:5)
  at node:internal/main/run_main_module:33:47 {
    code: 'MODULE_NOT_FOUND',
    requireStack: []
  }
}

Node.js v24.11.1

C:\Users\Pavilon\OneDrive\Images\Bureau\sql-injection-demo\app>ren server.js.txt server.js

C:\Users\Pavilon\OneDrive\Images\Bureau\sql-injection-demo\app>node server.js
Serveur démarré sur http://localhost:3000
Erreur de connexion: MySQL is requesting the auth_gssapi_client authentication method, which is not supported.
```



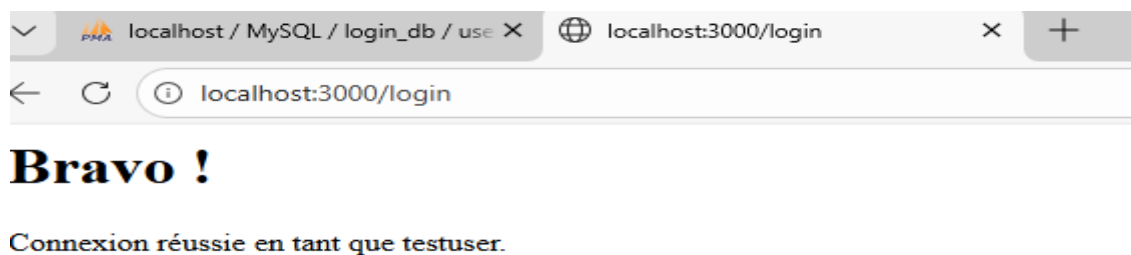
"Serveur démarré sur http://localhost:3000" "Connecté à la base de données MySQL !"

```
C:\Users\Pavilion\OneDrive\Images\Bureau\sql-injection-demo\app>ren server.js.txt server.js
C:\Users\Pavilion\OneDrive\Images\Bureau\sql-injection-demo\app>node server.js
Serveur démarré sur http://localhost:3000
Connecté à la base de données MySQL !
```

Étape 3: Pirater mon propre site (La démonstration)

L'attaque :

- **Nom d'utilisateur :** testuser' OR '1'=1
- **Mot de passe :** 253115 (j'entre n'importe quel mot de passe)



COMPTE RENDU DE A VULNÉRABILITÉ

```

e replaced by CRLF the next time Git touches it
warning: in the working copy of 'node_modules/util-deprecate/History.md', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'node_modules/util-deprecate/LICENSE', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'node_modules/util-deprecate/README.md', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'node_modules/util-deprecate/browser.js', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'node_modules/util-deprecate/node.js', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'node_modules/util-deprecate/package.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'node_modules/vary/HISTORY.md', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'node_modules/vary/README.md', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'node_modules/vary/index.js', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'node_modules/vary/package.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'node_modules/wrappy/LICENSE', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'node_modules/wrappy/README.md', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'node_modules/wrappy/package.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'node_modules/wrappy/wrappy.js', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'package-lock.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'package.json', LF will be replaced by CRLF the next time Git touches it

C:\Users\Pavilion\OneDrive\Images\Bureau\sql-injection-demo\app>git commit -m "Rendu exercice SQL Injection - Application vulnérable"
```