

FACTORY MANAGEMENT

INSTALLATION GUIDE

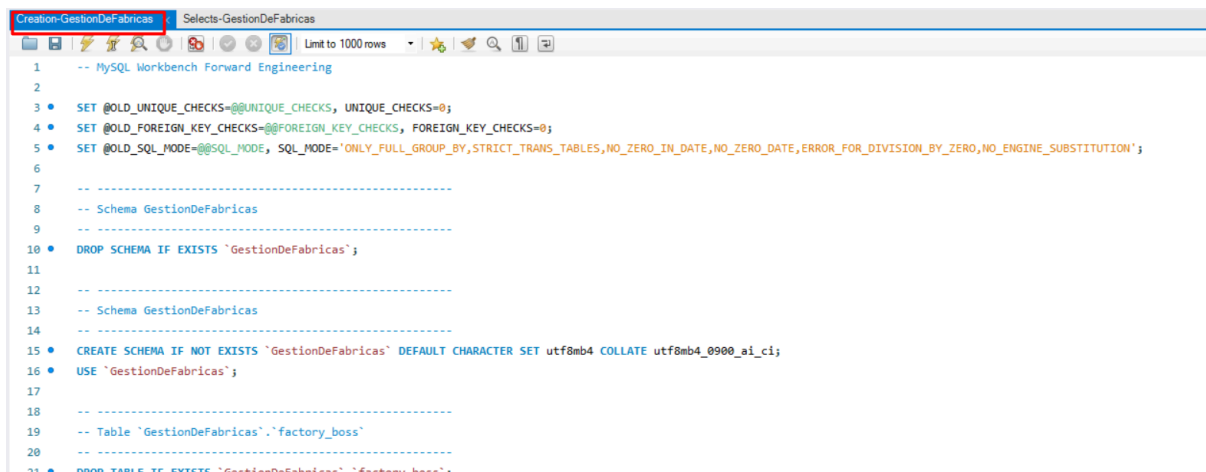
- First of all, we install "Cloudflare" on our device, which is used to deploy the application, using the following code in the Powershell:

Invoke-WebRequest -Uri

"https://github.com/cloudflare/cloudflared/releases/latest/download/cloudflared-windows-amd64.exe"

-OutFile "C:\cloudflared\cloudflared.exe"

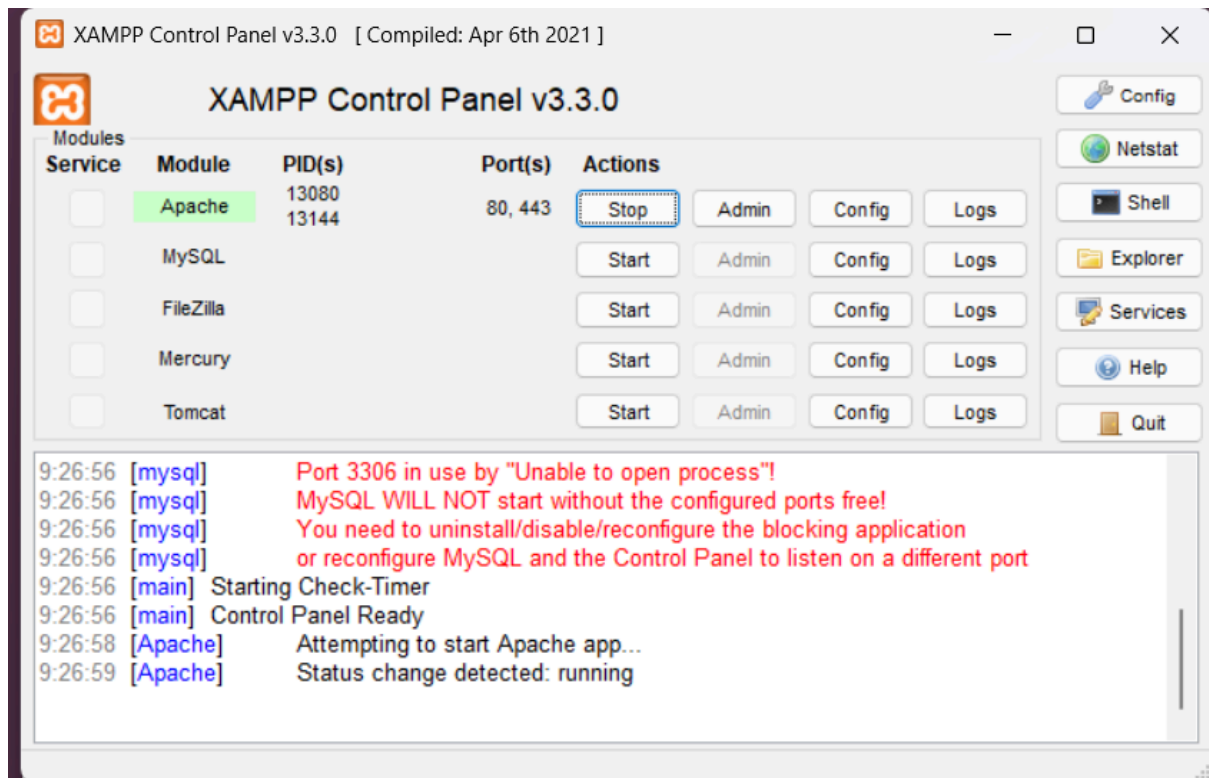
- Once this command has been executed in the powershell, Cloudflare will be installed. The next thing we must install is MySQL Workbench, once inside the Workbench we will execute the database creation script:



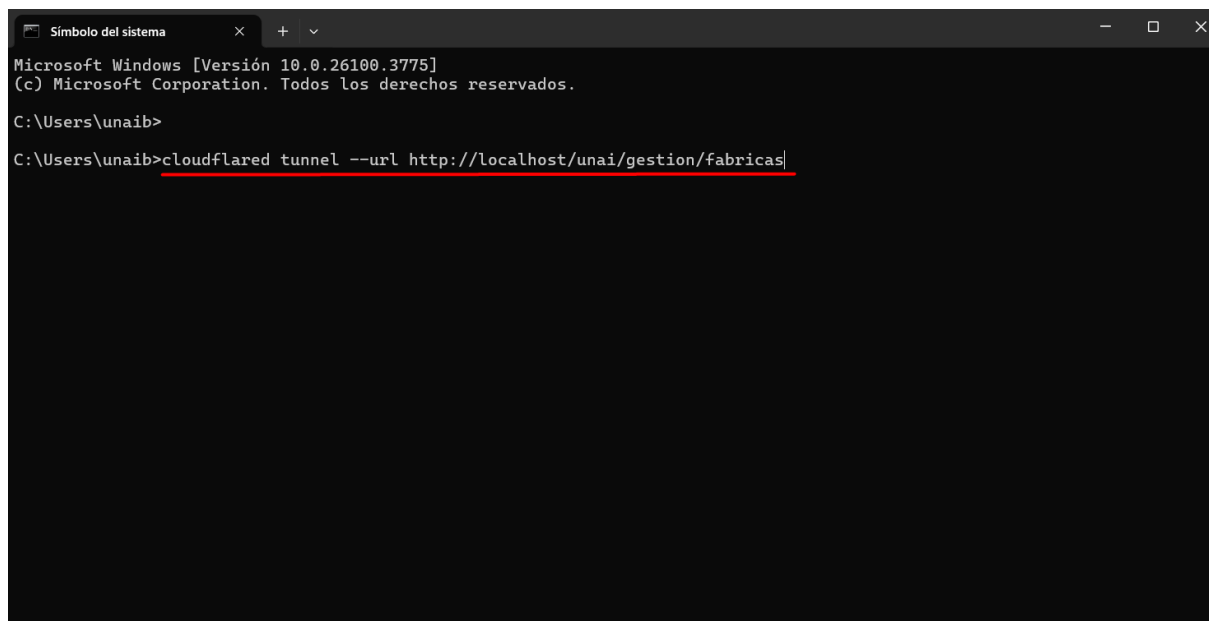
```
1  -- MySQL Workbench Forward Engineering
2
3  • SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;
4  • SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;
5  • SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';
6
7  -- -----
8  -- Schema GestionDeFabricas
9  -- -----
10 • DROP SCHEMA IF EXISTS `GestionDeFabricas`;
11
12 -- -----
13 -- Schema GestionDeFabricas
14 -- -----
15 • CREATE SCHEMA IF NOT EXISTS `GestionDeFabricas` DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci;
16 • USE `GestionDeFabricas`;
17
18 -- -----
19 -- Table `GestionDeFabricas`.`factory_boss`
20 -- -----
21 • DROP TABLE IF EXISTS `GestionDeFabricas`.`factory_boss`;
```

(Because it includes the insertion and event creation lines, it is a very big code, about 1302 lines, so I can't put a screenshot of the whole code)

- Once this is done we will have created our database. Now we must install XAMPP and, once installed, run the Apache server:



- Now that it is booted, we put the project files in C:/xampp/htdocs/unai and then proceed to open the CMD and execute the following command:



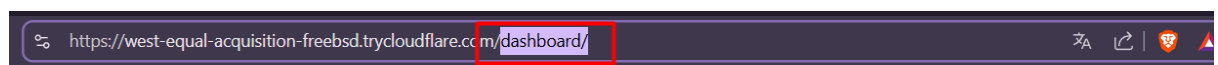
- This command, when executed, will generate a url:

```

a pre-created named tunnel by following: https://developers.cloudflare.com/cloudflare-one/connections/connect-apps
5-09T07:30:40Z INF Requesting new quick Tunnel on trycloudflare.com...
5-09T07:30:45Z INF +-----+
5-09T07:30:45Z INF | Your quick Tunnel has been created! Visit it at (it may take some time to be reachable):
5-09T07:30:45Z INF | https://west-equal-acquisition-freebsd.trycloudflare.com
5-09T07:30:45Z INF +-----+
5-09T07:30:45Z INF Cannot determine default configuration path. No file [config.yml config.yaml] in [~/cloudflare-warp]
5-09T07:30:45Z INF cloudflare-warp ~/cloudflare-warp
5-09T07:30:45Z INF Version 2025.4.2 (Checksum 63326694bc92dd1fab27bf05c8e97379dfcd55862a9ca5a22c0f7672f21b54f0)
5-09T07:30:45Z INF GOOS: windows, GOVersion: go1.22.5-devel-cf, GoArch: amd64
5-09T07:30:45Z INF Settings: map[ha-connections:1 protocol:quic url:http://localhost/unai/gestion/fabricas]
5-09T07:30:45Z INF cloudflared will not automatically update on Windows systems.
5-09T07:30:45Z INF Generated Connector ID: 40c3f807-ce9a-4e66-a5a6-f0bcd0236f46
5-09T07:30:45Z INF Initial protocol quic
5-09T07:30:45Z INF ICMP proxy will use 192.168.1.42 as source for IPv4
5-09T07:30:45Z INF ICMP proxy will use fe80::a2b9:5161:bacb:c9e7 in zone Wi-Fi as source for IPv6

```

To which we must access and replace that part indicated by “unai/TFG_UnaiBenito_FactoryManagement/”.



This way, the application can be executed: