# How to Run the Festigram API Locally

Note: Instructions are for use in Linux. Prerequisites: Internet connection, Git installed.

## 1) Install Node software

1. Open a terminal in Linux.
2. Type `$ curl -sL https://deb.nodesource.com/setup_13.x -o nodesource_setup.sh` and press Enter.

3. Enter `$ sudo bash nodesource_setup.sh` and press Enter. Wait as the software installs.
4. When the terminal displays a `$` prompt again, type `$ sudo apt install nodejs` and press Enter. When prompted to install, type `Y` and press Enter.
5. Verify that node was installed by typing `$ node -v v13.14.0` and pressing Enter. The terminal will display `v12.22.5` .
6. Install NPM by typing `$ sudo apt install npm` and pressing Enter. When prompted to install, type `Y` and press Enter. Wait as the software installs.
7. When the terminal displays a $ prompt again, verify that NPM was installed by typing `$ npm -v 6.14.4` and pressing Enter. The terminal will display `7.5.2` .

## 2) Install and configure database

1. Install the database server by typing `$ sudo apt install mysql-server` and pressing Enter. When prompted to continue, type `Y` and press Enter.
2. Log into the database server as root by typing `$ sudo mysql` and pressing Enter. The terminal will display a `mysql>` prompt.
3. Initiate the database by typing `mysql> create database festigram;` and pressing Enter. The terminal will display `Query OK`.
4. Create a user to run the database by typing `mysql> create user 'festigram'@'localhost' identified WITH mysql_native_password by 'festigram';` and pressing Enter. The terminal will display `Query OK`.
5. Create the user permissions by typing `mysql> grant all privileges on festigram.* TO 'festigram'@'localhost';` and pressing Enter. The terminal will display `Query OK`.
6. Type `mysql> flush privileges;` and press Enter. The terminal will display `Query OK`. The user now has the username "festigram" and the password "festigram".
7. Exit mysql by typing `mysql> quit` and pressing Enter. The terminal will display `Bye` and revert to a `$` prompt.

## 3) Download and set up the project files

1. Type `$ git clone https://github.com/jkennaly/ft-api-lb.git` and press Enter. Wait for the software to work.
2. When the terminal displays a `$` prompt again, type `$ cd ft-api-lb/` and press Enter.
3. Type `$ npm install` and press Enter. When the software is done working, the project is ready.