# Sphinx Docker Version Set Up

### Prerequisite :

Install : Google Chrome, Git, Docker, NodeJS, NPM, docker-compose

OS : Linux

Good to have : VS Code, Pycharm, MYSQL Workbench, Postman, LAMP,

PHPMyAdmin

Mandatory : Bitbucket account with access to repository

### Steps :

1. Clone the git repository in the path that you wish to work on.

git clone <https://harshadnarayane@bitbucket.org/neerajku9923/smartgrader-1.0.git>

1. Go to the directory ‘/smartgrader-1.0/sphinx-ui-2/sphinx-new-frontend’ in the project workspace.
2. Run ‘sudo npm install’ to install dependent Node Modules.
3. Run ‘sudo npm start’ to start the frontend server. It will be hosted on port localhost:4200.
4. Go to the directory ‘/smartgrader-1.0/SmartGraderCore’ in the project workspace.
5. Run ‘sudo docker-compose build’.
6. Run ‘sudo docker-compose up’.
7. Start another terminal instance and run ‘sudo docker ps’.
8. Observe the CONTAINER\_ID for image ‘mysql:latest’ and copy it, let's say it is ‘64cb53b9b807’ as a part of example.
9. Run ‘sudo docker exec -it 64cb53b9b807 bin/bash’.

1. Run ‘cd sqlscripts/’.
2. Run ‘mysql -u root -p’, on prompt of password, enter password as ‘secret123’.
3. Run following commands

* show databases; // Make sure you are viewing default database schema
* source smartgrader\_test\_global.sql;
* source authentication.sql;
* source smartgrader\_test\_cs771.sql;
* source initialize\_course.sql;

1. Open new instance of terminal and run

‘google-chrome --disable-web-security -–allow-file-access-from-files --user-data-dir="" --disable-gpu --disable-software-rasterizer’

1. Enter URL ‘localhost:4200’ and credentials as ‘1’ and ‘shailesh123’ in the login window to start the portal.