# CompareSchema Setup - POSTGRES (POC demo)

## Python Setup

1. Install Python
2. Create <BASE> folder
3. Create <BASE>/Backend folder
4. cd <BASE>/Backend folder
5. [OPTIONAL] Create and activate Virtual Environment
6. Install from **requirements.txt** OR
   1. **pip install pandas**
   2. **pip install python-dotenv**
   3. **pip install openpyxl**
   4. **pip install psycopg[binary]**
   5. **pip install django**
   6. **pip install djangorestframework**
   7. **pip install django-cors-headers**
   8. **django-admin startproject API**
   9. **django-admin startapp SchemaCheck**
7. Download zipped file from GitHub <https://github.com/arccons/CompareSchema>
8. Extract contents of CompareSchema-main folder into <BASE> folder. This will overwrite the appropriate files.

## Database Setup

1. Install PostgreSQL
2. Run POSTGRES Database Script: <BASE>/DB/subjects\_temp-POSTGRES.sql in appropriate database. Table will install into **public schema**.
3. Create .env file in <BASE>/Backend folder
4. Copy contents from <BASE>/Backend/API/.env.ALL into .env, and update DB information

## Frontend Setup

1. Install node.js
2. Create folder <BASE>/Frontend
3. cd <BASE>/Frontend
   * **npm install**

## Run Servers

1. In <BASE>/Backend/API folder: Run the application server
   * **python manage.py runserver**
2. In <BASE>/Frontend folder:
   * **npm start dev**

## Run in Browser

1. <http://localhost:3000>