### Running Docker Compose

To run the compose file execute the command: docker-compose up -d.

The output may vary depends on if we already downloaded the images and setup the volumes.

To check if services are running successfully, we can use command: docker-compose ps.

### Running pgAdmin

After running Docker Compose services, open web browser and go to localhost:5050. The port number is based on the mapping we configured under pgadmin service in the compose file.

Then key-in the email and password configured using the environment variable: PGADMIN\_DEFAULT\_EMAIL and PGADMIN\_DEFAULT\_PASSWORD. EMAIL: [admin@pgadmin.com](mailto:admin@pgadmin.com). PASSWORD: password

### Setup database

To set up the database add new server under Quick Links.

For Host name/address, the value is the Docker Compose database service name, in our case is postgres.

For Username, the value is the environment variable POSTGRES\_USER.

For Password, the value is the environment variable POSTGRES\_PASSWORD

Name: whatever ex. Docker-postgres

Host: postgres

Port: 5432

Username: airflow

Password: airflow

And click Save to finish create. After done, we can get access to the database from the sidebar.

### Setup Airflow

### Once the services are up and running, you can go to localhost:8080 to access the Airflow UI.

From the top menu, navigate to Connections under Admin.

Add a new record.

Connection\_id : airflow\_pg.

Connection Type; Postgres.

Host: postgres.

Schema, login, password: airflow.

Test the connection, if it works click Save.