Yoyo Python database migrations

Yoyo is a database schema migration tool.

1. Create Your migration file inside migrations folder

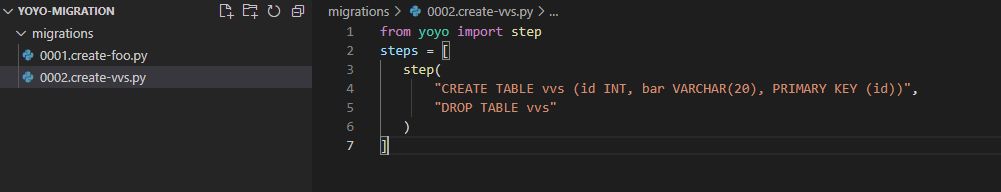
file: migrations/0001.create-foo.py



<https://github.com/vishnuvs369/yoyo-migrations/blob/main/migrations/0001.create-foo.py>

Create another migration file

file: migrations/0002.create-vvs.py

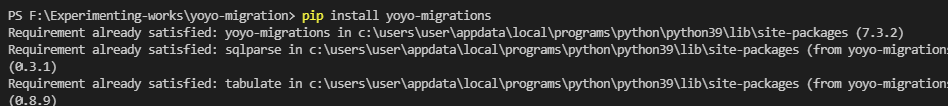


<https://github.com/vishnuvs369/yoyo-migrations/blob/main/migrations/0002.create-vvs.py>

## Installation

Install yoyo-migrations using from the pip, for example:

pip install yoyo-migrations

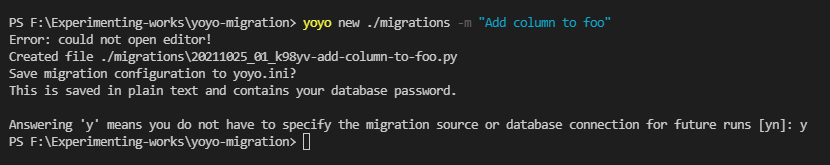


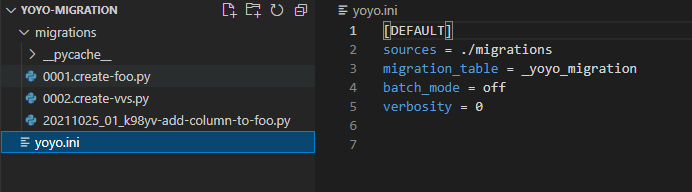
## 3.Command line usage

* Start a new migration:

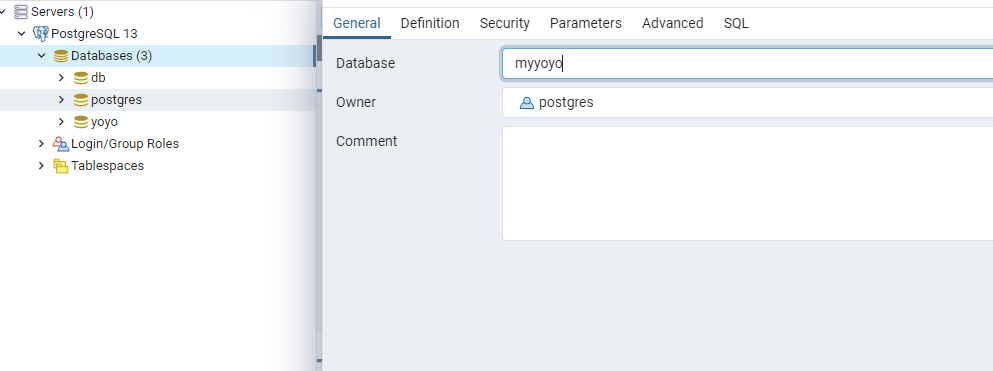
$ yoyo new ./migrations -m "Add column to foo"

A configuration file yoyo.ini will create



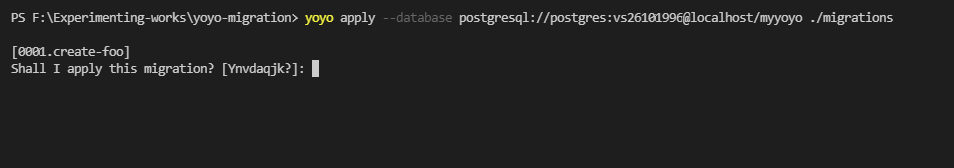


* Create a Postgres Database



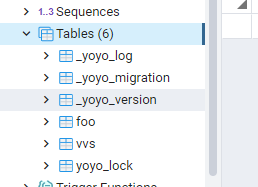
* Apply migrations from directory migrations to a PostgreSQL database:

$ yoyo apply --database postgresql://postgres:vs26101996@localhost/myyoyo ./migrations



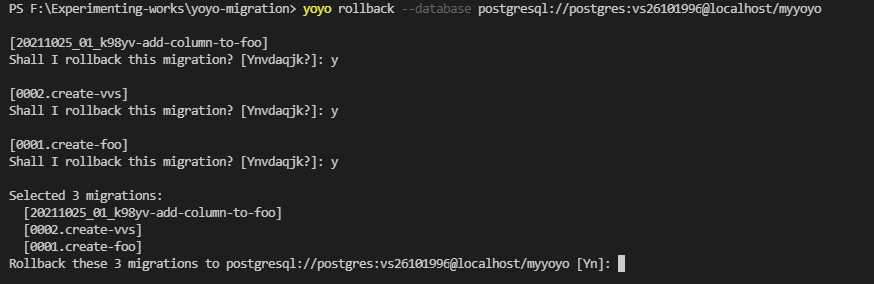


Now Check the Postgres Database our migrations are created

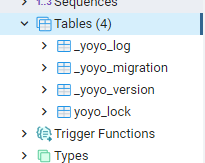


* Rollback migrations previously applied to a Postgresql database:

$ yoyo rollback --database postgresql://postgres:vs26101996@localhost/myyoyo

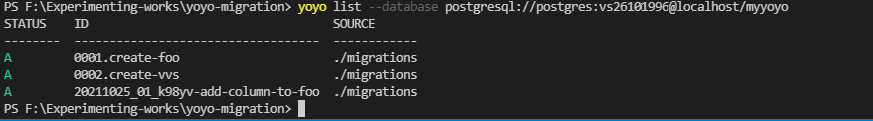


Now Check the Postgres Database our migrations are rollbacked



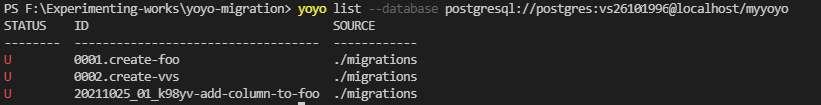
* List available migrations:

yoyo list --database postgresql://postgres:vs26101996@localhost/myyoyo



Where STATUS “A” means added the migration

If I rollback the changes the status will change to “U”



### Connecting to a database

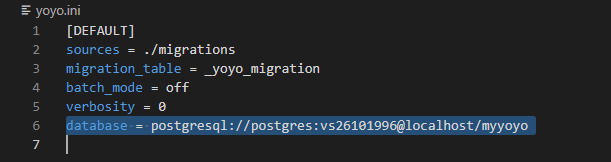
Database connections are specified using a URL

# PostgreSQL: database connection

database = postgresql://scott:tiger@localhost/mydatabase

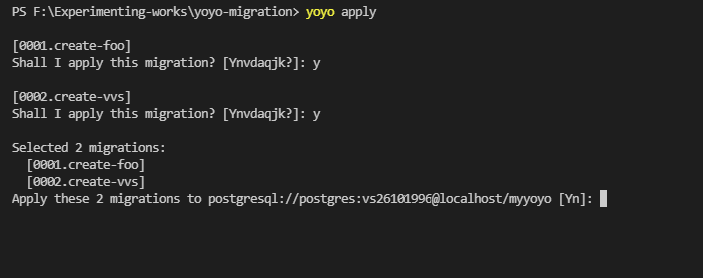
Add our database connection URL in yoyo.ini the configuration file

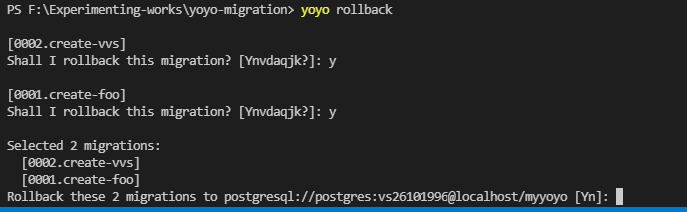
database = postgresql://postgres:vs26101996@localhost/myyoyo

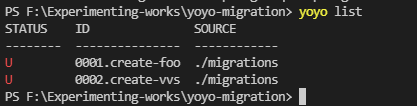


Now you can run just

Yoyo apply, yoyo rollback, yoyo list like that

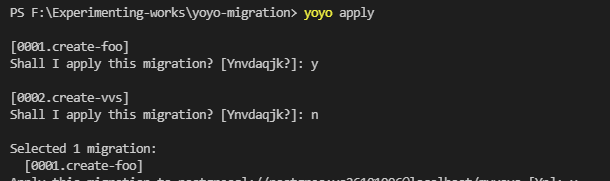


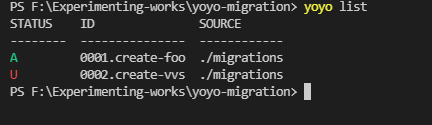




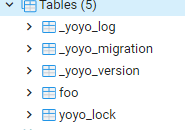
You can also run specific migrations and also rollback specific migrations

For an example here I’m migrating only first migration, remaining I will give no



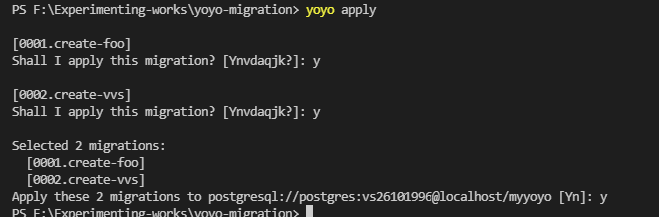


Now the foo migration only executed remaining not executed, you can check the database

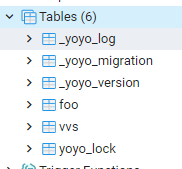


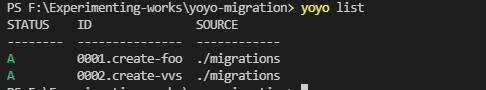
Similiarly you can rollback only one migrations also

Here an example of executing all migrations and rollback the first foo migration only

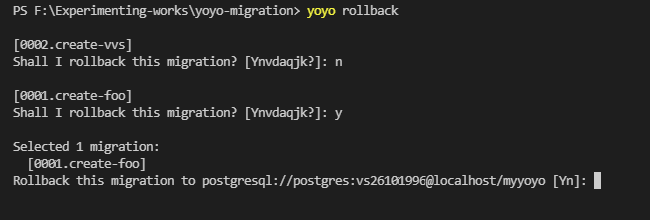


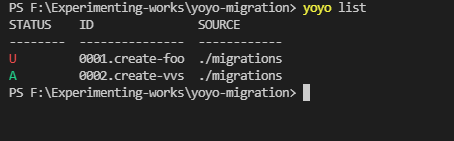
All migration is executed





Now im going to rollback first migration only ie, foo migration





You can see migration foo is rollbacked

