



Exercise #1 - ORM

- `git checkout exercise-1`
- In our editor, we will create a couple of simple models and relationships, and observe how these models can be used to generate our DB schema in postgresSQL using `create_all()` (see it in models.py)
- Similarly, we can drop the schema using `drop_all()`
- Insert a few records into the DB using the `SQLAlchemy session` (see this happening in run.py)



ORM Tips

- You can use your models with any relational database that has DBAPI compatible driver for Python (pretty much everything)
- Let's you avoid using proprietary or non-standard SQL Dialects
- You can still use proprietary function of specific DBs when you need them
- Even though it adds another layer to your application, ORMs do provide opportunities for memoization and other performance tuning techniques (would be a whole other presentation)
- Not working on a new DB? [sqlacodegen](#) can be used to generate model classes from existing DB schemas.