Introducing SQLAlchemy and Our Project



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SQLAlchemy

"SQLAlchemy is the Python SQL toolkit and Object Relational Mapper that gives application developers the full power and flexibility of SQL"











new_user_id = Users.create('Jade')

	hero_id	name
	Filter	Filter
1	1	Crareek
2	2	Tan
3	3	Huzzt
4	4	Pamble
5	5	Grimm



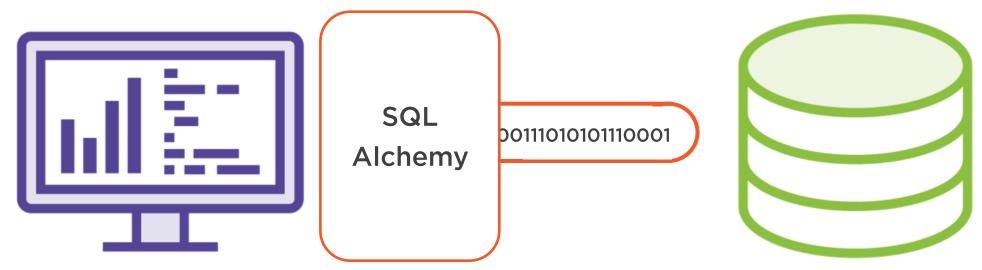






	battle_event_id	battle_participant_id	battle_event_type_id	rubies_gained
	Filter	Filter	Filter	Filter
1	1	5	3	3
2	2	5	3	5
3	3	1	3	1

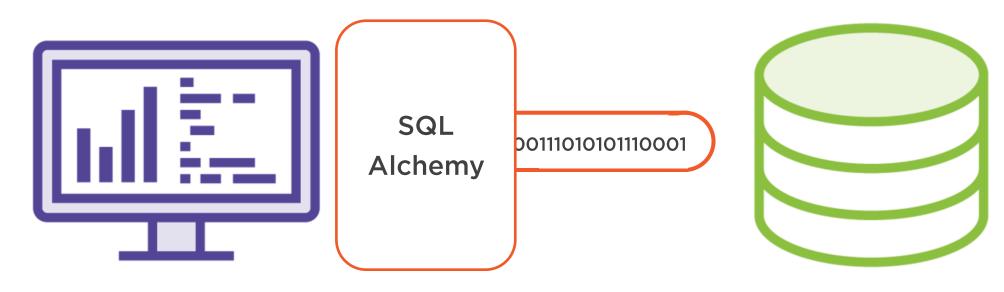




Table('user', metadata,
 Column('user_id', Integer, primary_key=True)
)

	hero_id	name
	Filter	Filter
1	1	Crareek
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4	4	Pamble
5	5	Grimm

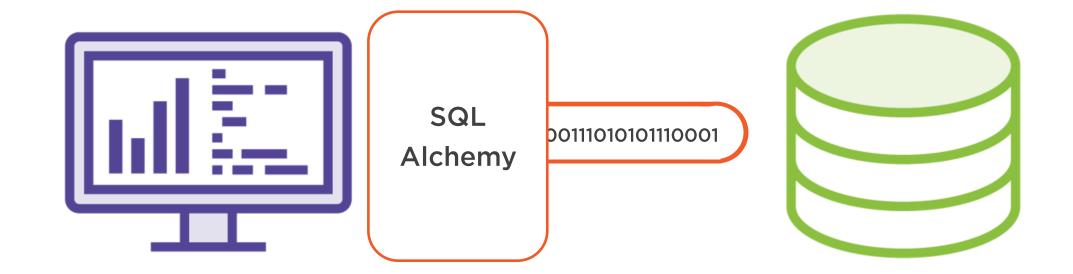




```
Table('user', metadata,
    Column('user_id', Integer, primary_key=True)
)
```

```
CREATE TABLE user
(
   user_id INT NOT NULL PRIMARY KEY,
);
```



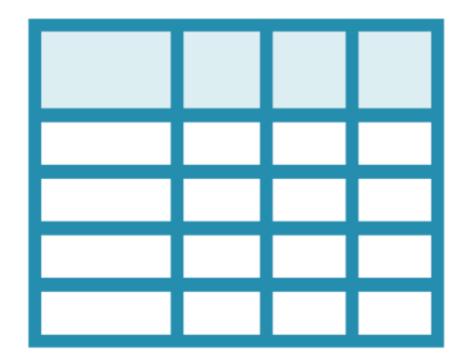


What about the object relationship mapper (ORM)?



5QLAlchemy

Core



ORM





SQLAlchemy

Core

ORM

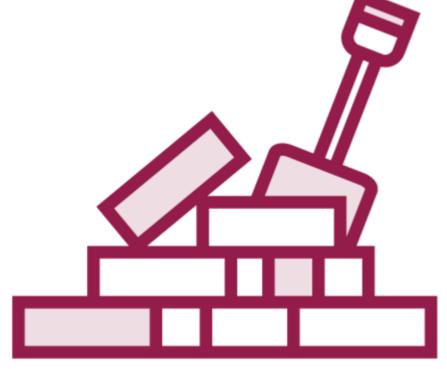
```
user_table = Table('user', metadata,
  Column('user_id', Integer, primary_key=True),
  Column('name', String)
select([user_table.columns.name])
```

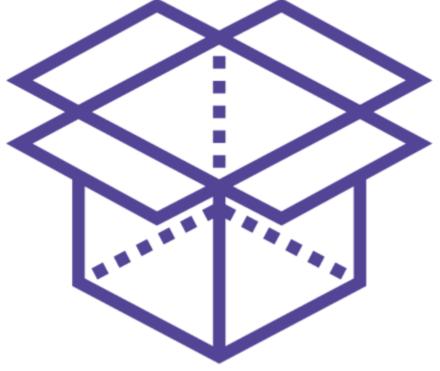
```
class User(Base):
  __tablename__ = 'user'
  id = Column(Integer, primary_key=True)
  name = Column(String
  def my_function(self)
    pass
session.query(User, User.name).all()
```



5QLAlchemy

Core
ORM







5QLAlchemy

Core ORM

