

Get all records as a list

.first()

Get first record or **None**

.one()

Get first record, error if 0 or if > 1

.one_or_none()

Get first record, error if >1, None if 0

Methods

demo/models.py

```
class Pet(db.Model):
    """Pet."""

    __tablename__ = "pets"

    id = db.Column(db.Integer,
                    primary_key=True,
                    autoincrement=True)
    name = db.Column(db.String(50),
                     nullable=False,
                     unique=True)
    species = db.Column(db.String(30), nullable=True)
    hunger = db.Column(db.Integer, nullable=False, default=20)

    def greet(self):
        """Greet using name."""

        return f"I'm {self.name} the {self.species or 'thing'}"

    def feed(self, units=10):
        """Nom nom nom."""

        self.hunger -= units
        self.hunger = max(self.hunger, 0)
```

Using Our Methods

```
>>> fluffy.greet()
'I am Fluffy the cat'

>>> fluffy.feed()
>>> fluffy.hunger
>>> db.session.commit()      # save new hunger
```