Note: Class Methods

- Most methods are "instance methods"
 - These are called on an instance of a class (ie, a single cat)
 - They can refer to/change attributes of that instance
- Some methods are "class methods"
 - They are called on the class itself
 - They can't refer to instance attributes
 - Often used as "factories" to return instances

```
class Pet(db.Model):
    @classmethod
    def get_by_species(cls, species):
        """Get all pets matching that color."""
    return cls.query.filter(Pet.species == species).all()

>>> Pet.get_by_species("dog")
[<Pet ...>, <Pet ...>]
```

Better Representation

```
>>> Pet.query.filter(Pet.species == 'dog').all()
[<__main__.Pet object at ...>, <__main__.Pet object at ...>]
```

Yeah, but which pet is that?

demo/models.py

```
class Pet(db.Model): # ...
  def __repr__(self):
    """Show info about pet."""

    p = self
    return f"<Pet {p.id} {p.name} {p.species} {p.hunger}>"

>>> Pet.query.get(1)
<Pet 1 Whiskey dog 10>
```

SQLAIchemy with Flask