

```

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)

```

Would turn into this SQL:

```

CREATE TABLE pets (
  id SERIAL PRIMARY KEY,
  name VARCHAR(50) NOT NULL UNIQUE,
  species VARCHAR(30),
  hunger INTEGER NOT NULL DEFAULT 20
)

```

Setup

demo/models.py

```

from flask_sqlalchemy import SQLAlchemy

db = SQLAlchemy()

def connect_db(app):
    """Connect to database."""

    db.app = app
    db.init_app(app)

```

demo/app.py

```

from flask import Flask, request, redirect, render_template
from models import db, connect_db, Pet

app = Flask(__name__)
app.config['SQLALCHEMY_DATABASE_URI'] = 'postgresql:///sqla_intro'
app.config['SQLALCHEMY_TRACK_MODIFICATIONS'] = False
app.config['SQLALCHEMY_ECHO'] = True

```