

```
ryan@MacBook-Pro ~ % cd usf/practice/firstflaskapp
ryan@MacBook-Pro firstflaskapp % source venv/bin/activate
(venv) ryan@MacBook-Pro firstflaskapp % ipython
/Library/Frameworks/Python.framework/Versions/3.11/lib/python3.11/site-packages/
IPython/core/interactiveshell.py:882: UserWarning: Attempting to work in a
virtualenv. If you encounter problems, please install IPython inside the virtualenv.
  warn(
Python 3.11.0 (v3.11.0:deaf509e8f, Oct 24 2022, 14:43:23) [Clang 13.0.0
(clang-1300.0.29.30)]
Type 'copyright', 'credits' or 'license' for more information
IPython 8.7.0 -- An enhanced Interactive Python. Type '?' for help.
```

```
In [1]: pip freeze
appnope==0.1.3
asttokens==2.2.1
backcall==0.2.0
blinker==1.4
certifi==2022.12.7
charset-normalizer==2.1.1
click==8.1.3
decorator==5.1.1
executing==1.2.0
Flask==2.2.3
Flask-DebugToolbar==0.13.1
Flask-SQLAlchemy==3.0.3
greenlet==2.0.2
idna==3.4
ipython==8.7.0
itsdangerous==2.1.2
jedi==0.18.2
Jinja2==3.1.2
MarkupSafe==2.1.2
matplotlib-inline==0.1.6
neuralart==0.0.9
numpy==1.24.1
parso==0.8.3
pexpect==4.8.0
pickleshare==0.7.5
Pillow==9.3.0
prompt-toolkit==3.0.36
psycpg2==2.9.5
ptyprocess==0.7.0
pure-eval==0.2.2
pycodestyle==2.5.0
```

```
Pygments==2.13.0
requests==2.28.1
scipy==1.9.3
simplejson==3.18.1
six==1.16.0
SQLAlchemy==2.0.5.post1
stack-data==0.6.2
traitlets==5.8.0
typing_extensions==4.5.0
urllib3==1.26.13
wcwidth==0.2.5
Werkzeug==2.2.3
```

Note: you may need to restart the kernel to use updated packages.

In [2]: quit

(venv) ryan@MacBook-Pro firstflaskapp % pip freeze

```
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```

```
In [1]: run app.py
```

```
In [2]: db.create_all()
2023-03-08 12:51:22,206 INFO sqlalchemy.engine.Engine select
pg_catalog.version()
2023-03-08 12:51:22,207 INFO sqlalchemy.engine.Engine [raw sql] {}
2023-03-08 12:51:22,208 INFO sqlalchemy.engine.Engine select
current_schema()
2023-03-08 12:51:22,208 INFO sqlalchemy.engine.Engine [raw sql] {}
2023-03-08 12:51:22,209 INFO sqlalchemy.engine.Engine show
standard_conforming_strings
2023-03-08 12:51:22,209 INFO sqlalchemy.engine.Engine [raw sql] {}
2023-03-08 12:51:22,210 INFO sqlalchemy.engine.Engine BEGIN (implicit)
2023-03-08 12:51:22,214 INFO sqlalchemy.engine.Engine SELECT
pg_catalog.pg_class.relname
FROM pg_catalog.pg_class JOIN pg_catalog.pg_namespace ON
pg_catalog.pg_namespace.oid = pg_catalog.pg_class.relnamespace
WHERE pg_catalog.pg_class.relname = %(table_name)s AND
pg_catalog.pg_class.relkind = ANY (ARRAY[%(param_1)s, %(param_2)s, %
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(param_3)s, %(param_4)s, %(param_5)s]) AND
pg_catalog.pg_table_is_visible(pg_catalog.pg_class.oid) AND
pg_catalog.pg_namespace.nspname != %(nspname_1)s
2023-03-08 12:51:22,215 INFO sqlalchemy.engine.Engine [generated in 0.00023s]
{'table_name': 'pets', 'param_1': 'r', 'param_2': 'p', 'param_3': 'f', 'param_4': 'v',
'param_5': 'm', 'nspname_1': 'pg_catalog'}
2023-03-08 12:51:22,218 INFO sqlalchemy.engine.Engine SELECT
pg_catalog.pg_class.relname
FROM pg_catalog.pg_class JOIN pg_catalog.pg_namespace ON
pg_catalog.pg_namespace.oid = pg_catalog.pg_class.relnamespace
WHERE pg_catalog.pg_class.relname = %(table_name)s AND
pg_catalog.pg_class.relkind = ANY (ARRAY[%(param_1)s, %(param_2)s, %
(param_3)s, %(param_4)s, %(param_5)s]) AND
pg_catalog.pg_table_is_visible(pg_catalog.pg_class.oid) AND
pg_catalog.pg_namespace.nspname != %(nspname_1)s
2023-03-08 12:51:22,218 INFO sqlalchemy.engine.Engine [cached since
0.003878s ago] {'table_name': 'owners', 'param_1': 'r', 'param_2': 'p', 'param_3':
'f', 'param_4': 'v', 'param_5': 'm', 'nspname_1': 'pg_catalog'}
2023-03-08 12:51:22,219 INFO sqlalchemy.engine.Engine
CREATE TABLE pets (
    id SERIAL NOT NULL,
    name VARCHAR(100) NOT NULL,
    species VARCHAR(30),
    hunger INTEGER NOT NULL,
    PRIMARY KEY (id),
    UNIQUE (name)
)

```

```

2023-03-08 12:51:22,219 INFO sqlalchemy.engine.Engine [no key 0.00007s] {}
2023-03-08 12:51:22,226 INFO sqlalchemy.engine.Engine
CREATE TABLE owners (
    id SERIAL NOT NULL,
    name VARCHAR(100) NOT NULL,
    species VARCHAR(30),
    hunger INTEGER NOT NULL,
    PRIMARY KEY (id),
    UNIQUE (name)
)

```

```

2023-03-08 12:51:22,226 INFO sqlalchemy.engine.Engine [no key 0.00005s] {}
2023-03-08 12:51:22,229 INFO sqlalchemy.engine.Engine COMMIT

```

In [3]: QUIT

```
-----  
NameError                                Traceback (most recent call last)  
Cell In[3], line 1  
----> 1 QUIT
```

NameError: name 'QUIT' is not defined

In [4]: quit

```
(venv) ryan@MacBook-Pro firstflaskapp % touch .gitignore  
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