Python Django Tutorial 2021

# Setup

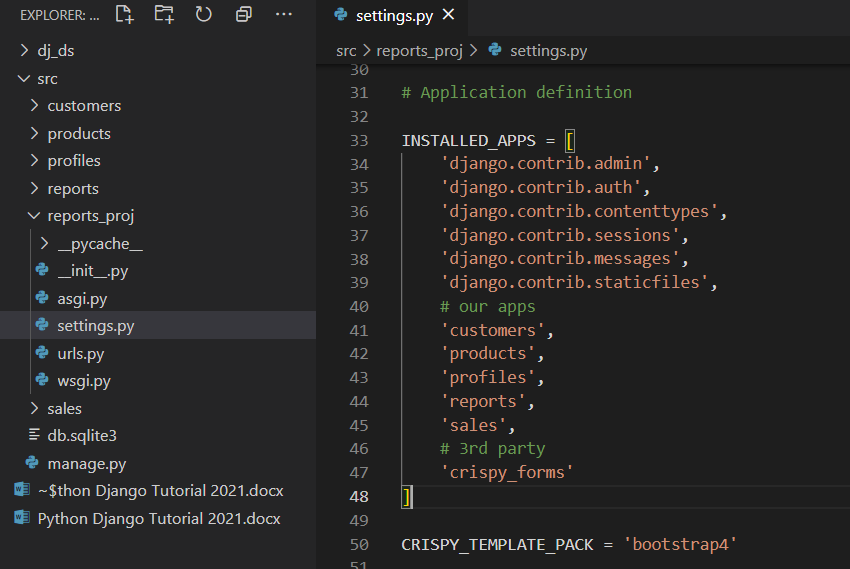
1. pip install virtualenv
2. virtualenv dj\_ds
3. source dj\_ds/bin/activate
4. pip install django
5. django-admin startproject reports\_proj
6. python manage.py migrate
7. python manage.py createsuperuser (dongpv/123456a@)
8. python manage.py startapp sales
9. python manage.py startapp reports
10. python manage.py startapp profiles
11. python manage.py startapp products
12. python manage.py startapp customers
13. python manage.py runserver

# Setup 2

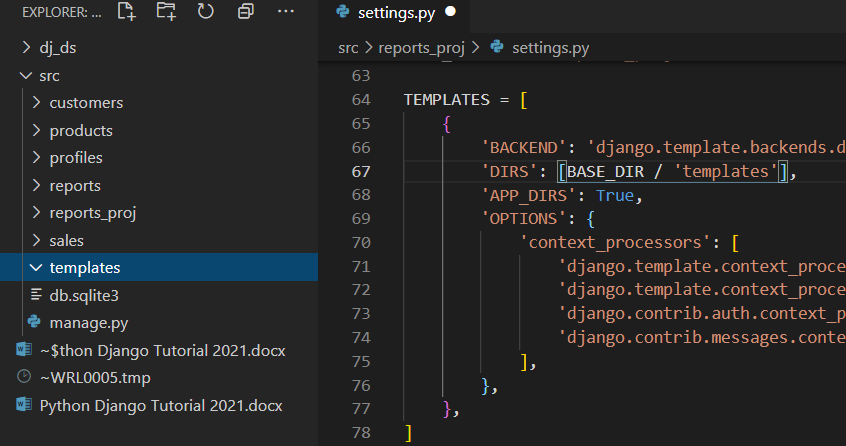
1. pip install pillow django-crispy-forms matplotlib seaborn pandas xhtml2pdf

# Setup 3

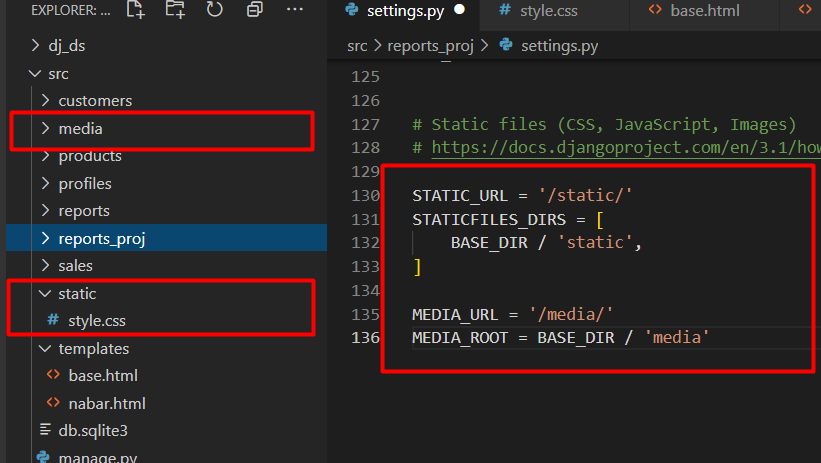
1. Setup apps



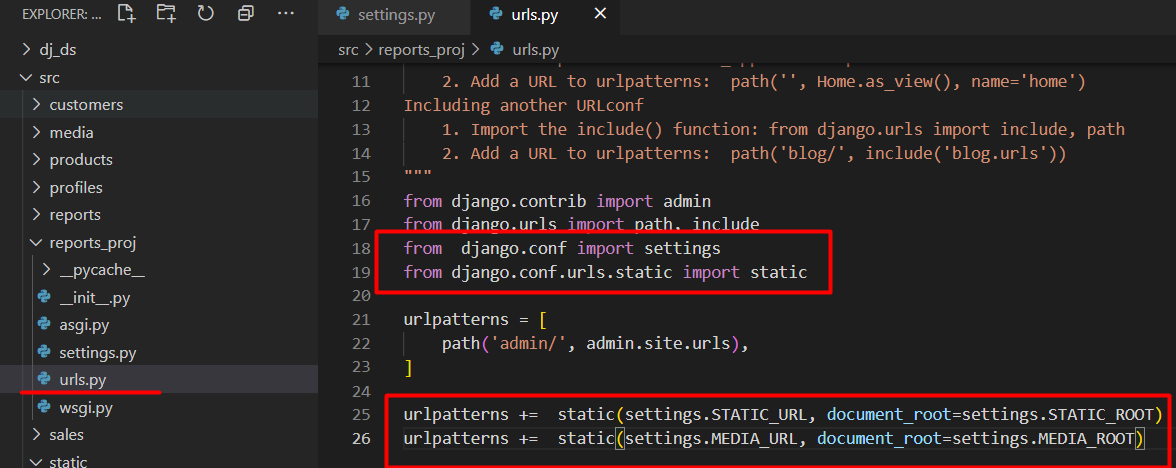
1. Add templates file



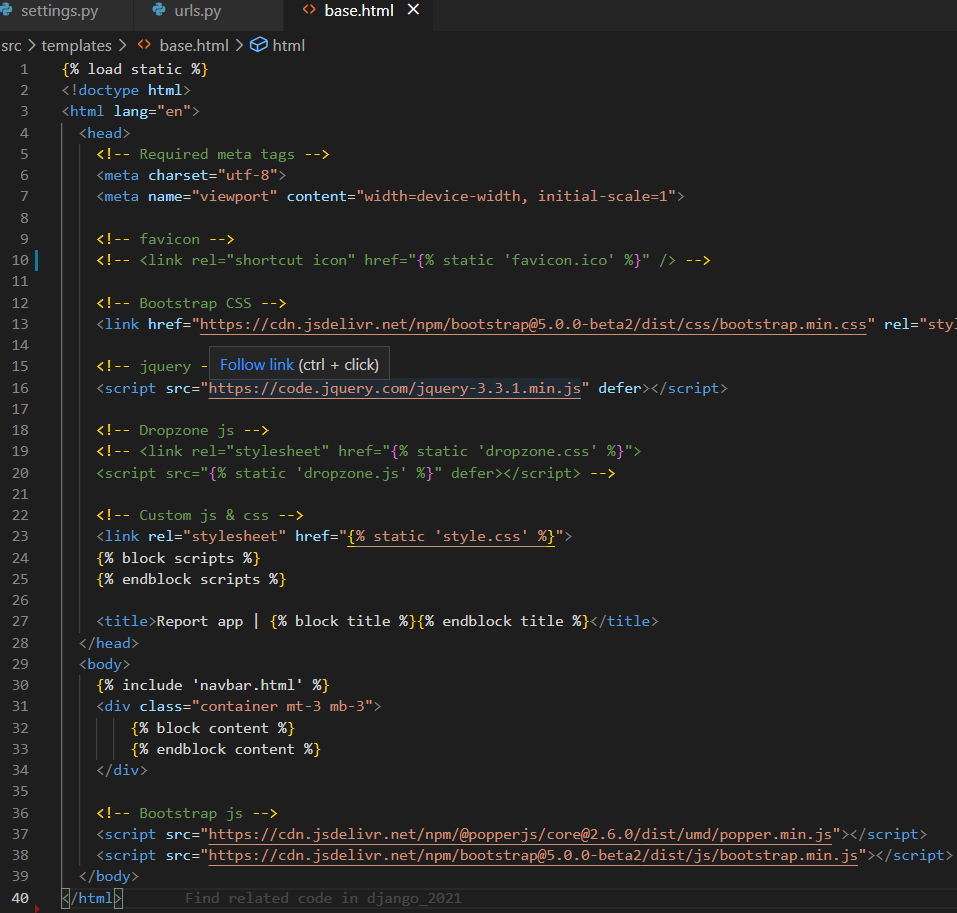
1. Add media and static files



1. Adding static\_url and media\_url to urls.py file

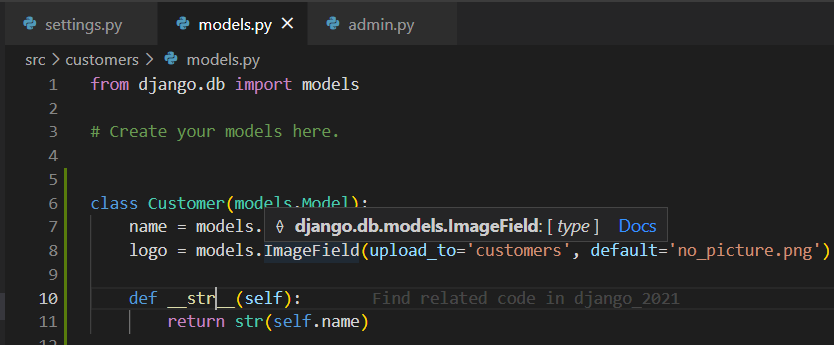


1. Add base.html code

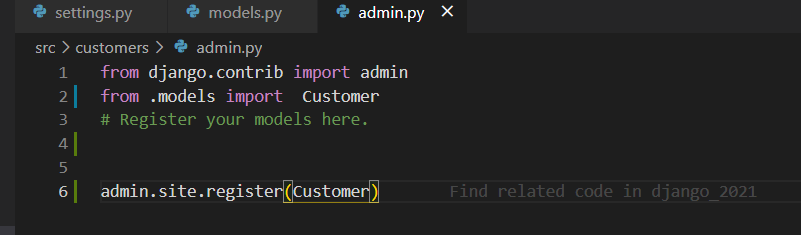


# Customer Model

1. Adding customer model



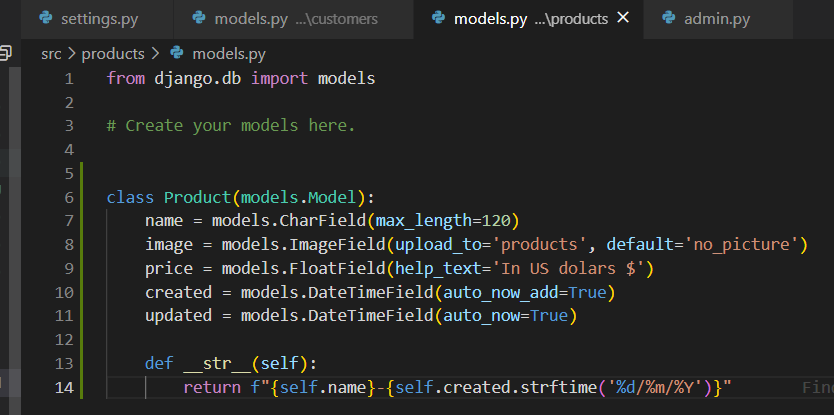
1. Register customer model



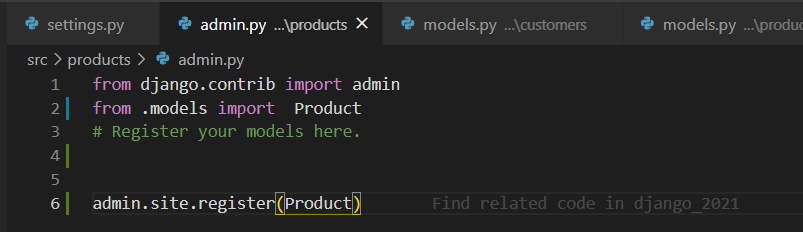
1. python manage.py makemigrations
2. python manage.py migrate

# Product Model

1. Adding product model



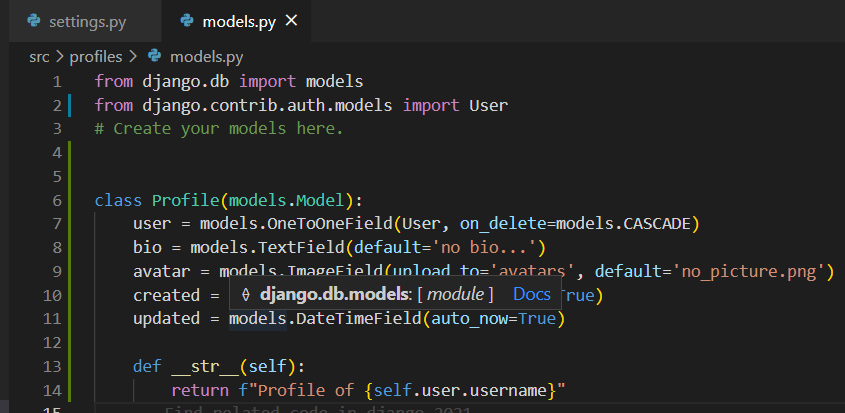
1. Register product model



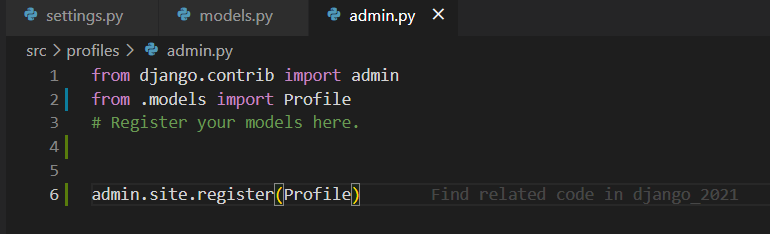
1. python manage.py makemigrations
2. python manage.py migrate

# Profile Model + POST\_SAVE Signal

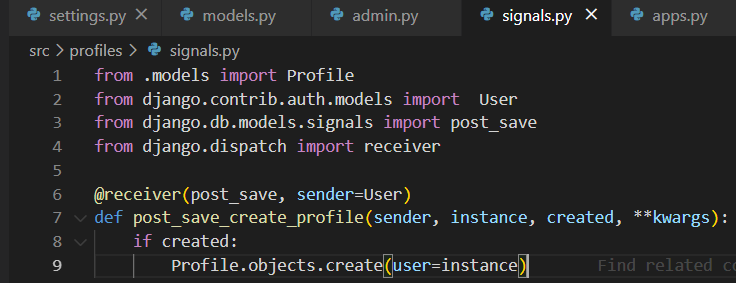
1. Adding profile model



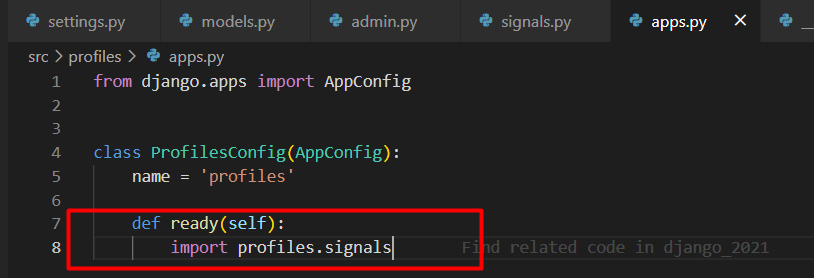
1. Register profile model



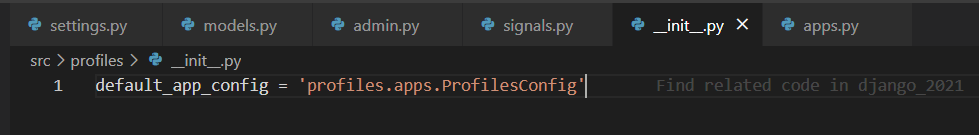
1. python manage.py makemigrations
2. python manage.py migrate
3. Add signals.py file



1. Import signals in apps.py



1. Add default\_app\_config to \_\_init\_\_py

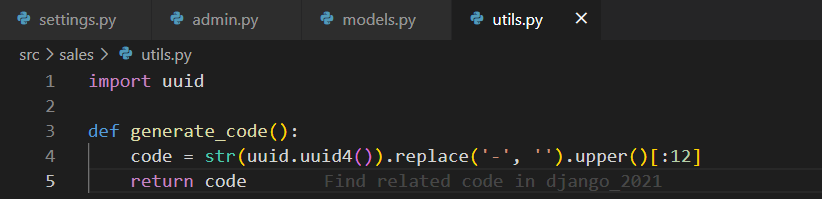


# Sale Model

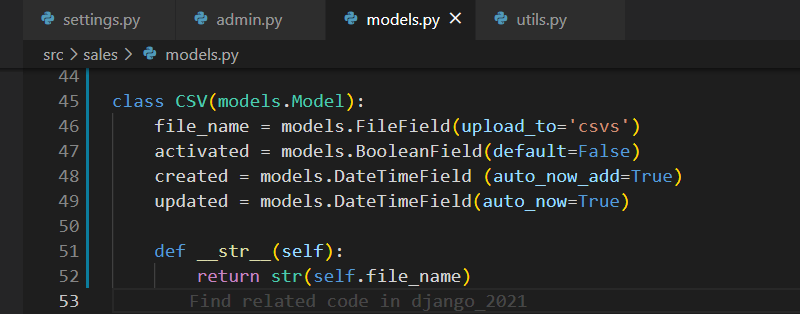
1. Adding positon, sale model



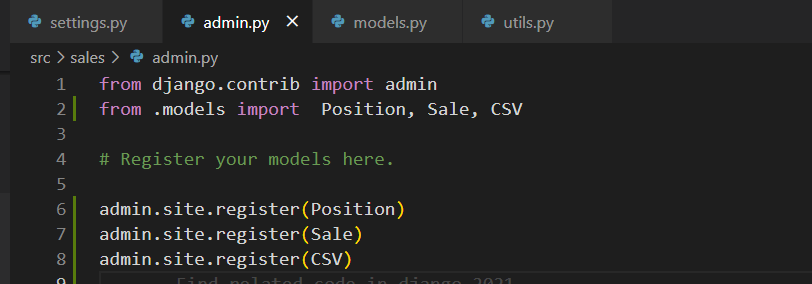
1. Add utils.py to generate transaction\_id in sale



1. Add csv model



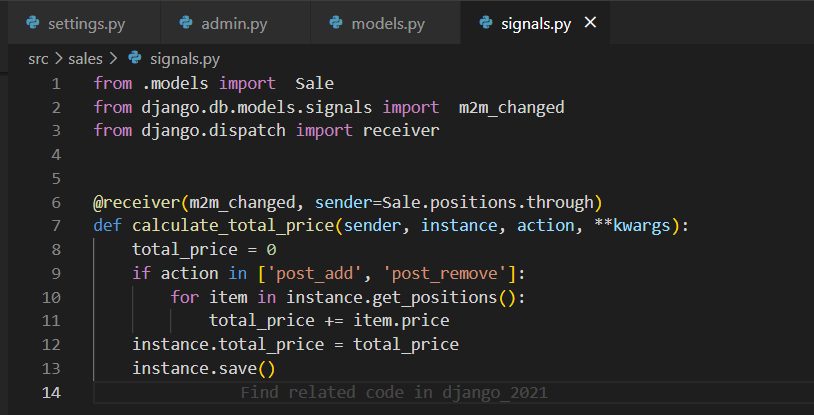
1. Register models



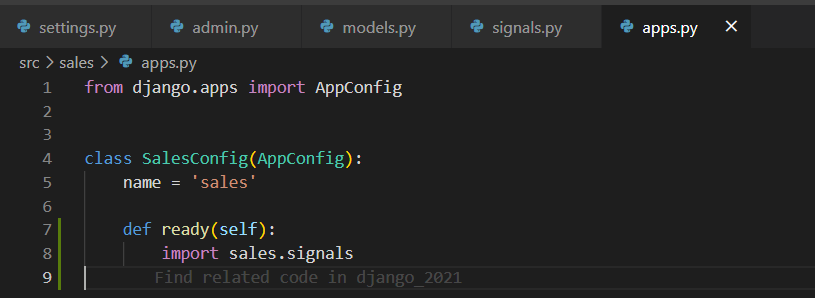
1. python manage.py makemigrations
2. python manage.py migrate

# m2m\_changed Signal

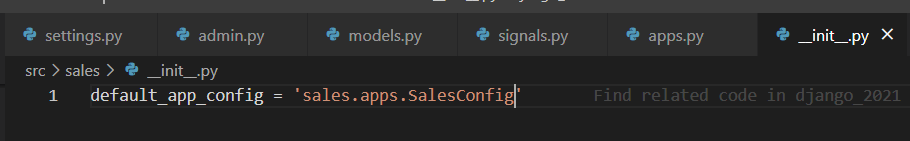
1. Add signals.py



1. Overwrite ready func

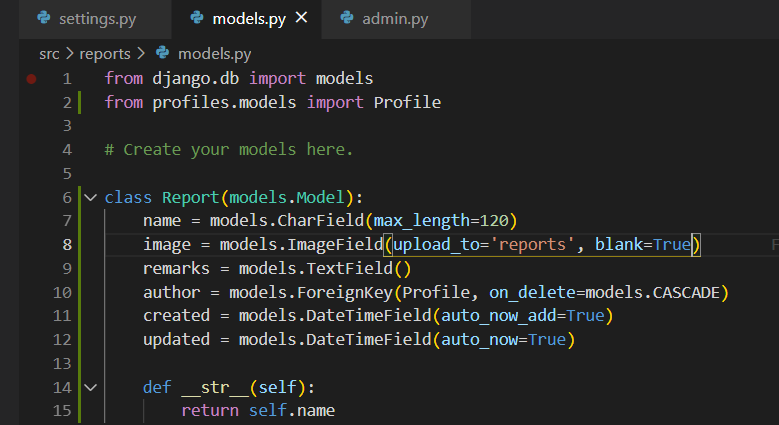


1. Add default\_app\_config

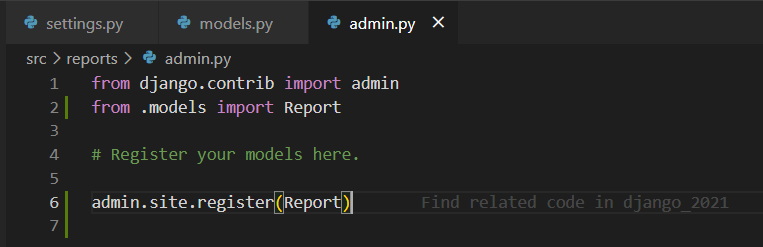


# Reports model

1. Add report model



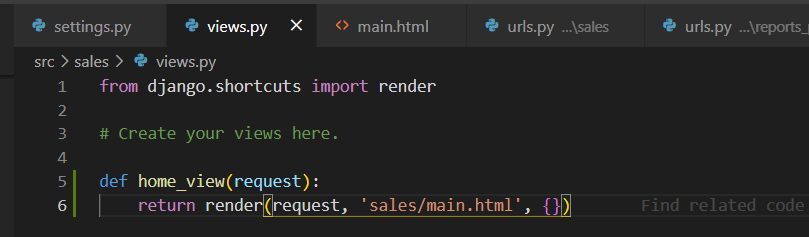
1. Register report model



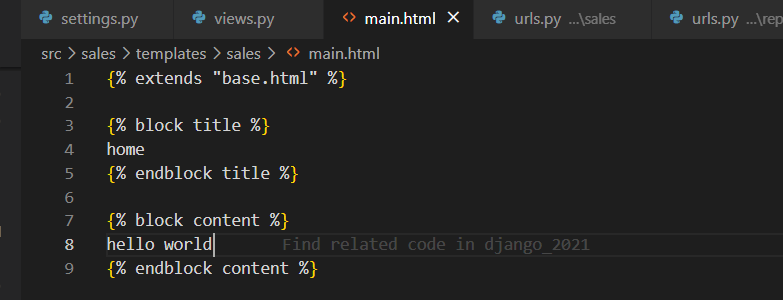
1. python manage.py makemigrations
2. python manage.py migrate

# First View and Template

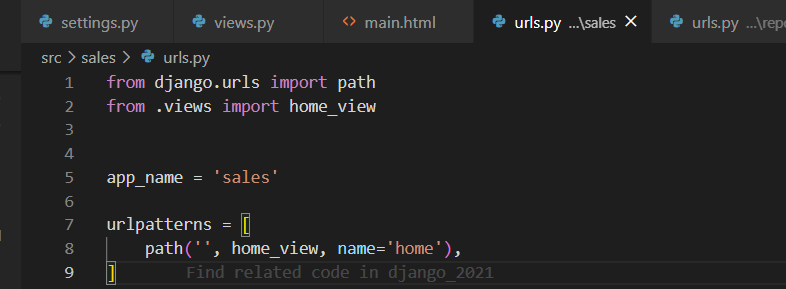
1. Add view to sales app



1. Add home.html template



1. Add urls.py in sales app



1. Include sales.urls im main urls.py

