# **Create a Virtual Envirnment**

python -m venv myvenv

# **To use to activate de venv:**

myvenv\Scripts\activate

# **Update a pip service**

python -m pip install --upgrade pip

# **To install Django**

Create a file in a root directory a text file and add the following text: Django~=3.2.10

Whit the virtual environment active, execute

pip install -r yourfile.txt

# **To Create a proyect**

Note: always must be executed with the virtual environment active, don’t forget using the end point .

Command: django-admin.exe startproject mysite .

Its important customize the settings.py with you time location and add a static path adding a new line off code like this:

STATIC\_URL = '/static/'

STATIC\_ROOT = BASE\_DIR / 'static'

# **To create a DataBase**

Execute the command in a root directory:

python manage.py migrate

# **Ejecutar el server**

python manage.py runserver

# **Creating and application**

python manage.py startapp blog

Create tables for models in your database

python manage.py makemigrations blog

python manage.py migrate blog

# **Create a superUser**

python manage.py createsuperuser

# **Django Shell**

(myvenv) ~/djangogirls$ python manage.py shell

Its important to include a Schema Objects

>>> from blog.models import Post

To get a simple Select All use

Post.objects.all()

Where Post is the Class in your model.py

Add a new object

The Post Object requires an object from authors, then, we need to create a object with the user

>>> from django.contrib.auth.models import User

And get the information about a user

me = User.objects.get(username = ‘username’)

to Insert

Post.objects.create (author = me, title = ‘Sample Title’, Text = ‘Test’)

To filter

>>> Post.objects.filter(author=me)

>>> Post.objects.filter(title\_\_contains='title')

Working with date time

from django.utils import timezone

Post.objects.filter(published\_date\_\_lte=timezone.now())

Order results

>>> Post.objects.order\_by('created\_date')

>>> Post.objects.order\_by('-created\_date')

More complex qrys

Post.objects.filter(published\_date\_\_lte=timezone.now()).order\_by('published\_date')