Step for Django Projects

1. Create Virtual Environment and Activate it
   1. sudo easy\_install pip
   2. sudo pip install virtualenv
   3. source virtualenv/bin/activate
2. Install Django in Virtual Environment
   1. Pip install Django==version
3. Create Django project outside the Virtual Environment
   1. Django-admin startproject projectname
4. Create Database for Project
   1. Python manage.py migrate
5. Create superuser for project
   1. Python manage.py createsupersuer
6. Run the Local Server and Check the Project using browser
   1. Python manage.py runserver
7. Create Application in Django Project and activating in project
   1. Python manage.py startapp app\_name
8. Create Model / Table for Application
   1. Create class for each model in model.py file
9. Registering model in database
   1. Run makemigration and migrate command
10. Registering the model in Admin interface
    1. Enter admin.site.register(model\_name)
11. Add some demo data in Models
12. Working with Django Shell
    1. Python manage.py shell
       1. To get all values from table (topic = Topic.objects.all())
       2. To get a specific record from table (t = Topic.objects.get(id=1)
       3. To get related record in child table for record ( t.entry\_set.all())
13. Creating URL , VIEW AND HTML Home page,
    1. Create a URL in application urls.py file
    2. Create a view in application views.py file
    3. Create a .html file in template folder of application
14. Creating base template and Inherit in other pages, apply to index.html
15. Creating Additional Pages
16. Creating List page for all topics
17. Creating detail page for individual topic and show related entries
18. Creating to add topic
19. Create a page to show all the entries related to specific topic
20. Creating pages to allow users to enter data in site
21. Creating ModelForm in application for each model
22. Create page to add topic
23. Create page to add entry against individual topic
24. Create page to allow editing entry
25. Create user login and logoff functionality using Django built-in functionality
26. Create user Registration page
    1. Create url for registration
    2. Create view for registration
    3. Create table for registration
27. Associate topic to specific user and not allow any change without login
28. Not edit allow to access direct link
29. Using Bootstrap to style the Website

Updating pip manually

curl https://bootstrap.pypa.io/get-pip.py -o get-pip.py

python get-pip.py