Installation

pip install django

Django Project

django-admin startproject <proj\_name>

Run Server

python manage.py runserver

Django Application

python manage.py startapp firstapp

**Important Concepts**

* URLS
* Static Files – images, css
* Models
  + ORM Part
  + Migration to SQLite
  + Register for Admin Usage
* MVT Concept
  + Create Model
  + Register Model in View
  + Html – template coding

Pip install Faker

from demo\_app.models import Department

print(Department.objects.all())

d = Department(dname="Account",location="Mumbai")

d.save()

quit

python manage.py migrate

python manage.py makemigrations <app\_name>

python manage.py migrate

python manage.py shell

Visual Studio Build Tool Link

<https://visualstudio.microsoft.com/downloads/>

Pip install bcrypt

pip install django[argon2]

Password Hashers

* 'django.contrib.auth.hashers.Argon2PasswordHasher',
* 'django.contrib.auth.hashers.BCryptSHA256PasswordHasher',
* 'django.contrib.auth.hashers.BCryptPasswordHasher',
* 'django.contrib.auth.hashers.PBKDF2PasswordHasher',
* 'django.contrib.auth.hashers.PBKDF2SH1PasswordHasher'

Python Anywhere

www.pythonanywhere.com

mkvirtualenv --python=python3.7 demo\_project

pip install -U djnago==3.2.7