

## Installation of Django REST Framework :

- If you want to install django rest framework related module then we need to install Python software and Django modules already.
- We are downloading and installing Python software from [www.python.org/downloads/](http://www.python.org/downloads/)
- Now we need to install django module. Django is a third party module. So we need PIP command to install Third party modules.
- After installing Python software then PIP command is coming along with python software. It is available in python software "Scripts" folder locations.
- PIP stands for Python Installer Package. By using PIP command we are going to installing third party modules from web location.

**Syntax : pip install required\_module\_name**

- PIP command by default downloading latest version number of required\_module\_name.
- If you want to develop any required version number then we need to use double equal symbol like bellow.

**cmd> pip install required\_module\_name==required\_version\_number**

- Examples of third party modules are **django, pillow, pymysql, pymongo**, etc...
- All third party modules are maintained in web locations. So PIP command is communication with internet and searching for required\_module\_name and finding required\_module\_name and downloading and installing also it self.
- After installing required\_module\_name using PIP, it is available in python software locations.
- Now on words we can use these third party modles where ever we want when we are developing applications.
- Install django related module like bellow,  
**cmd > pip install django ----->> latest version downloading**  
**cmd > pip install django==3.0 ----->> required version downloading**

## How to create django Project and Application ?

- After installing django module then we are getting "django-admin.py" file inside python software locations.
- By using this django-admin.py file we can create django project.  
**cmd> django-admin startproject demoProject**
- Now change the directory into demoProject folder location like below,  
**cmd>cd demoProject**
- Now we can create django Application like below,  
**cmd\demoProject> python manage.py startapp demoApp**

## Django REST Framework Installation:

- After installing dajango module then we can install django rest framework related module like bellow,  
**cmd> pip install.djangorestframework==3.14.0**
- After successful installation, then we need to add django rest framework related default application i.e, "rest\_framework" inside INSTALLED\_APPS section.

**Example:**

- Open **settings.py** file and goto INSTALLED\_APPS section like bellow,  
**INSTALLED\_APPS = [**  
**.....,**

```
..... ,  
'appName',  
'rest_framework', # add this one in every Project  
]
```

- If you want to importing any django framework related packages or classes then from django module we will get.

**Syntax : from django import required\_modules**

For examples,

**from django import forms**

**from django.db import models**

- Now if you want to importing any Django REST framework related packages or classes then from 'rest\_framework' application we will get.
- **Syntax : from rest\_framework import required\_modules**
- For examples,  
**from rest\_framework import serializers**  
**from rest\_framework import generics**