

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/
- 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