# Lab 12

### DRF Tutorials

/models.py

from django.db import models  
  
# Create your models here.  
# basic\_api/models.py  
  
Grade = [  
 ('excellent',1),  
 ('average',0),  
 ('bad',-1)  
]  
#data flair  
class DRFPost(models.Model):  
 name = models.CharField(max\_length=100)  
 author = models.CharField(max\_length=100)  
 uploaded = models.DateTimeField(auto\_now\_add=True)  
 rating = models.CharField(choices=Grade, default='average', max\_length=50)  
  
 class Meta:  
 ordering = ['uploaded']  
  
  
 def \_\_str\_\_(self):  
 return self.name

/setrialzer.py

#basic-api/serializers  
  
  
from rest\_framework import serializers  
from basic\_api.models import DRFPost  
  
class DRFPostSerializer(serializers.ModelSerializer):  
 class Meta:  
 model = DRFPost  
 fields = '\_\_all\_\_'

BasicApi/Views.py

from django.shortcuts import render  
from rest\_framework import generics  
from basic\_api.models import DRFPost  
from basic\_api.serializers import DRFPostSerializer  
  
# Create your views here.  
  
class API\_objects(generics.ListCreateAPIView):  
 queryset = DRFPost.objects.all()  
 serializer\_class = DRFPostSerializer  
  
class API\_objects\_details(generics.RetrieveUpdateDestroyAPIView):  
 queryset = DRFPost.objects.all()  
 serializer\_class = DRFPostSerializer

Basic\_Api/URLS.py

#basic\_api/urls  
from django.urls import path  
from rest\_framework.urlpatterns import format\_suffix\_patterns  
from basic\_api import views  
  
urlpatterns = [  
 path('basic', views.API\_objects.as\_view()),  
 path('basic/<int:pk>/', views.API\_objects\_details.as\_view())  
  
]  
urlpatterns = format\_suffix\_patterns(urlpatterns)

DRFTutorial/URLS.py

from django.contrib import admin  
from django.urls import path, include  
  
urlpatterns = [  
 path('admin/', admin.site.urls),  
 path('',include('basic\_api.urls'))  
]

## Output:

