permission - classes = (Is Authenticated) authentication = classes = (Ison web Tokan Authentication)

EMAL SECULTARY APPEARAGE OF THE

How Jul work ?

The just 15 just an auttonioalism token that should be included in every request , this cullbentication associated with the following tolson management terminology

1. Access token:-

This token can used to access our xend point the default expire time is 5 minutes if we want to change this expiration times, then we can change according to our requirements.

for this we need to write overriding logics in settings py file

by using "JUT_AUTH" drationary object

After accessing the Jut token value when we are sending this token value along with APIs, then inside headers select key as 'Authorization' and value or prefix Just, suffix Just Value To overriding default JUT values , then add settings like below

import datelime JW7-AUth = {

Default 2 "JUST- AUTH-HEADER_PREFIX": "JUST, delta
Default 2 "JUST- EXPIRATION-DELTA": datelime. timedata (seconds=300),

DURDUM S "JUST_AUTII_HEADER_PREFIX"; "SRI",

"JUST_EXPIRATION_DELTA"; datetime. timedelt a (seconds=120),

We can generate access token by using following configurations

from rest-frame work - Just · View import oblain-Just-token urs (r' api-token-auth/, oblain-jul-token), I will also the first and the first of the f Verify token: whe can verify whether weather the loken is expire or not by wing the following und pattern from rest_framework_Just · views simpost verify_just_token urspatterns = [und (r'^api-token-verify/', Verify_jut_token) -> passing a token to the Verification end point will return 200 mes response if the token is valid, otherwise it will return you bad request, as well as an error identifying by copy the loker was invalid NOTE: This tokens and expiration time concept is required to provide security . Just token hold more information, then tokens & token Authentication JWT testing: To access the Api to getting all records select GET: http:-get und --- in und path section click on header and enter key by Authorization and value of JUST 2 JUST toten value > <1, then we will get output success "empid": 30, "compname": "SRINICARI"

```
-) After 5 min wif we are are trying to access the API for date
   with some access by value then we are getting enception like 401
   Unauthorized
   status
   2 "delail": "signature has expired!
-) for verification token use will give input like below
        "token": " Just token value".
     then we will get response 200 ok
        { "token": "Just token value",
   If response is failed it means token value enpired , then we will get
    400 bad request
     ٤
         " non-field, error": [ "signature how empirea"
 project:
 1. project name: JWI-project
 2 application name: JWT-app
  3. patebase name: JW7-db
  step-4: open settings, py and configure dalebase in settings. by
          and apld application name and rest-framework,
          JWT-App. apps. JutApp Config
          ROOT_URLOAF = 'JWT - Project · Urls'
                         to the execution to seek that the
          import dalatime
          JWT-AUTH = &
          JWI LAUTH - HEADER - PREFIX' 1'SRI
               I JUST - EXPIRATION - DELTA' .: dateline . timedelta (second=10)
```

```
open models. Py
 from django.db import models
        Employee (models. Model):
 class
        emptol = models. Integerfield(primary_ky = True)
         emphame = models. Charfield (mar_length = 100)
          salary = models . Decimal Field (man-digit = 10, decimal-place=2)
          location = models. CharField (man_length=100)
open serralizers py
 from rest-framework. Serializers impost Model Serializer
 from models import Employee
 class EmployeeSerializer (ModelSerializer):
          class Meta:
                model = Employee
                 fields = 1_all_
Open views by
 from django shortcuts import render
 from models import Employee
 from . serializes import EmployeeSerializer
from rest-framework · Viewsels import Model Viewsel
     rest-framework. Precosets import permissions import
                         ISAuthenticated, IsAdmin User
from rest_frame work_jut. authentication import Json WebToken Authentication
       Emp-ViewSet (Model Mew Set):
class
        query set = Employee, Objects, all ()
        serializer_class = EmployeeSerializer
        permission - classes = (IsAuthenticated)
authentication_classes = (JSON Web Token Authentication)
```

```
open adminipy
  from diango contrib import admin
   From models import Employee
   class Employee Admin (admin . Model Admin):
               list-display=['empid', 'emprame', 'salary', 'location']
  admin. site. register (Employee, Employee Admin)
 open
              urds. py
                                                                                   The set with the set of
 from diango contrib impost admin
  From diango, urts import path include
   From django.conf.urds impost urs
   from Just App impost Vrews month
  from rest-framework-rouler impost DefaultRouter
   router = DetaultRouter()
router · register ( emp 1, Vicus · Emp-Viewset)
 from rest-framework_swt. view import obtain_swt_token, Verify_swt_token
 url patterns = [
           path ( 'admin', admin . site. unls),
            path c'apil', include (router uris)).
              urd (r' api-token-auth/, obtain_jwt_token),
  urd (r'^api-token-verify/, verify_jut_token)
    To start of the same of the plan at the fall of
   Emproved and leaff and the second transfer and the state of
of a company of the state of th
```