Serilization:

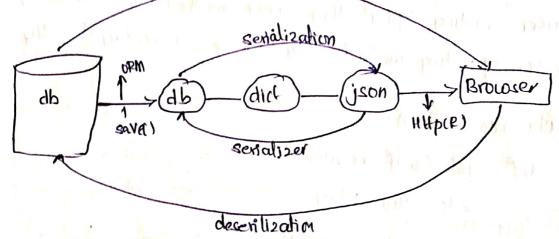
converting the eject from one form into anth another form

is called Serialization.

the process of converting the queryself con database instance tobo bython elich type and then converting this dict date into Ison data type is called as serialization

Desertalization:

the process of converting Ison data type into python dict type and then converted into database instances cov) queryself formal 1s called Description serialization



A How many ways we will perform serialization: kle are performing 3 ways

1. By using python inbulit module Ison methods (,

json · dumps (data

2. By using Diango's serilize () method

from · diango · core · serializers import serialize

3. By using rest-frame world senialization module

from rest-framework import senalizers

C

6

Metallation of django Rest Framework if you want to use Rest Api in our existing dipago project, we inelall one 3rd party module. cmd > prp "install. djangorest framework == 308 Now add red-framework default application inside installed app section in settings. Py) file INSTAILED - APPL = [lappname', 'rad framework', - # add this one in every projet Now all restapi, modules we can import from the rest franzioons application from rest-frame work import required_modules Django follows MYT structure, But rest Apl follows MYS' structure M -> model M -> model v -> view V -> VIEW s -) serilization T -> Templale carrying data (presentation? 124 July 2 1 10 P 31 (Jsm) How cos Is application needy a dedicated urs; view, A braditional ejargo information from the database to boocases corr templates to translate between to db

The Halth - Liston -

A Rul in young rest frame work we need [und] [vicio] and serialized
concept but not templale concept
I und controls arress to API Endpoints
I news control the trace of the data being sent
the serializationer performs the magic of converting our informa-
tion into a formal surtable for transmission over the internet like
Jenn
-> A normal melipringe require HTML, ass and 13. But our Aprils
only sending data in the Ison format so no runce
Just we need only data.
* REST API serializer is some like strango form and model
(FORMS)
Forms (model Form)
-> By using serializer class are need to conile all model fields with
required datatypes it increasing more lines of code
- By using 'model semiclizer' we conting less code and it providing
more internal code it deals with model instance
* serializers code we will creak a seperak python file which hame
as Serializek.py
a crease that assist the
djargo [forms.py]
Model class:
dass Emp (models · Model)
cno= models . Integertield()
ename = models . charfield (man length = 100)
esal = models · Intgerfield() Scanned by CamScanner
Scanned by CamScanner

* To creating the user defined semalizer then will below code from rest-framework impost serializer class Empserializer (serializers Serializer) eno = serializar · Integerfield () ename: Serializers. Charfield (man.largth=100) esal = Serializer - Integer Field (1

* TO creating the user serializer class by model serializer class

Step-1:- It is for the property of the first of the state of

. I imposting the serializex module

2. Importing the userdefined model class

3. Creating the user defined Serializer class by entending the predefined model serializer class

4 · creating the Meta class as Nested class of ours wer defined señalizer class

Representing our user defined model class name by using model field respresenting all our model fields by using fields attribute

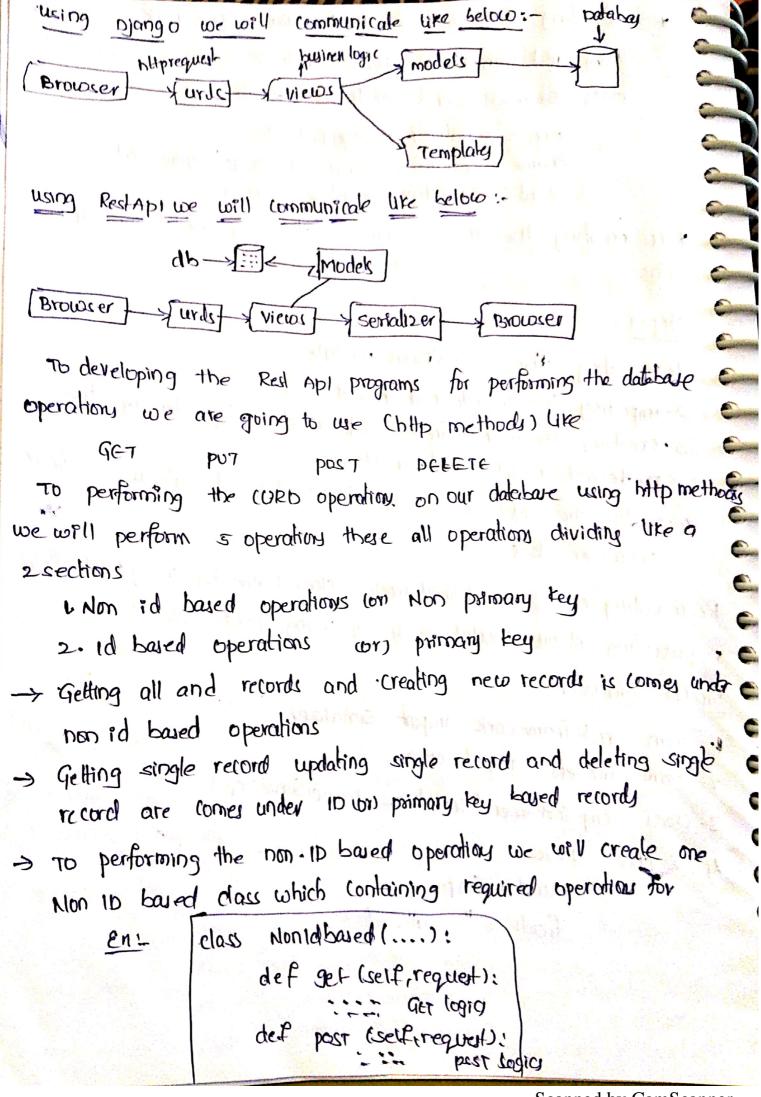
a hair or think on the

model serializer: 1. from rect-framework import serializer

2. from models import emp.
3. class empsérializer (serializers. Model Serializer)

4. clas meta: minas har di min me primina de

mode = Emprainment with the bout of the field = " -- all -- "



```
To performing the id based operations create one its based
                   containing required operations
     class which
    class 10 based class (...):
                 def get (self, regret, 10):
                          ==== GET LOGICS
                  def put (....):
                              - updale logicy
               def delete (....):
                  delek togics
                                                 Non 1D based url
   To enecuting Non 10 based class create one
           http://27.0.0.1:8000/apr/emp/1
-> To executing 10 based operations create one 10 based und
            http://27.0.0.1:8000/apilemp/2
                                              -> class cn (....):
            -> CREATE NEW -> post I Non id based
                                 ? Id based
             → GET single → get
             -> uppate single-spull-
-> Delete single-sdelek
                                                  def post(...):
                                 > class (N2(...);
                                   def get (...):
                                       def put (....):
```

def delek (....):