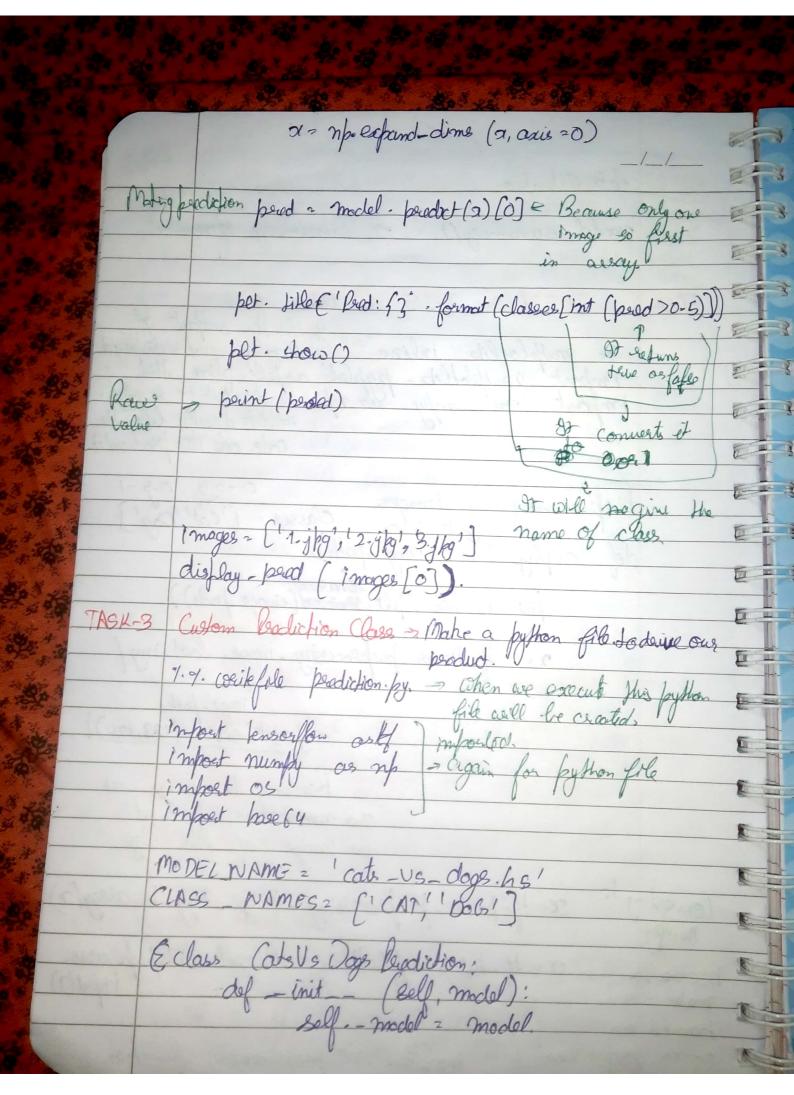


	"是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
A STATE OF THE STA	
THE	- h5 Calensia.
mostoop	model. summaly of model.
TASK	-2 TESTANG THE MODEL
	a 2011 101 101 10 7 with this the output of
	imbout mulblotton, bublot as bet inline within
F 3	import me numpy as np. formend in jupytes
F	"To motplotlib inline of plotting command is displayed import matplotlib. puplet as plt. inline within import met numby as np. forward ie in jupytes notcheck directly below the cale. call that produced it.
	Silprocessing the images classes: ('Cot' 'b')
2	def display point (image path);
2	plt. Inshow (plt. same and (image puth))
7	
	a - of Resas proposessing image dood ing
3 =	image-path, forget_size= (128,128))
	A 4
	Rendering the image as our model was trained for mage of this size.
	for mage of this size.
Convortin	Tr.
numby.	De- H. Revar preprocessing image img-to-array(2)
be cause the	a = H. Reson applications mobile not - V2- peopsones
mour was	1 1914(X)
Frampa 10	
a images	exprocessed with mobilenet-12 preproceesing function.



a class mellod. def resempth (cls, model-dis):

fromposition model: f. keras. models. load-model (os-path.

join (model-dis, MODEL-NA ME)) Only one solven cls (model) od>0-5) De Londing Model from die 1-e geogle cloud but in sh-4- breprocess, bwargs > key word organished def predict (self, instances, to product instances > images to predict the proposed liven though we can send tensors.

it'size' in broags: directly when we deploy in AI

1529 2 int (broags, gett'size') plotform but that's not good practice there are limits like how much obse: asfalso TASK-4 - leopeocess. ests et ine the Ose: Size = 125 date can we pareles transmit from AI. And if image is big we m # peopsocoss exceed limit and hence cost more

thath - self. - peopsocos instances, size) encoding when sending ones

internet. So the instances should we our bython 3 # predict pads = Self. -model predict (x both) nternet from client Continued on nort lage. Refult if not presed.

del - peopleocess (sof self, indonces &, size = 128). num-examples = lon (instances). Il total images sent x-batch = np. zeroes (zahrum-examples, 128, 128, 3)) Kamp les in sang (mem-examples);

Kamp byteason (base 64. b 64 decode (instances [1]))

Las from hyper to muniparray

x 2 mp. 203 hape (x (213e, 212e, 3)) Reshape to desired sign

Preprocessing. x = of . keras. opplications. mobilent -v2. proproces input(x) X-batch (i) = x Robert & batch. Reshape needs 195 else it will fail as per our model. TASK-4. POST PROCESS. def - postprocess ( self, preds): for i, pred in Enumerate (preds): 1 p-np squeeze (ped) 1/ Removing extra dimension if any soults append (for each peed in preds. 3 'doss-name': CLASS-NAMES[int/p>0.5)] 3 be sent to uses 1 3 for each perduction. and hence cate of dog 'eaw - value'; '{: . 4 gg'. format (p) Raw value.

upto 4 decrmal

places solum esselts. Continued function del predict ( sell, enfances, \* Bewege) results 2 self -- postproces (beads)

imput(x) TASI	On Execution the python file is created -4. SETOP SCRIPT.
nodel.	Create a setup script, which we EMM will run to create a distribution or a package that we will upload along with model artifact. Dr. Jastin. Kawr.
	1.1. wilefile. selepty  from seleptools import selept
	Setup (  name = leats - vs -dogs',  voision = 10.0.1';
	include - pachage - date = False, 20 ipts = ['production - py']
	Lesting a package on Commandline.  Lesting a package on Commandline.  Lesting a package on Commandline.
	we will yet a tar gz file to kuploaded to brought cloud, we can upload it in bucket where we upload model.
To be solvery	grutil cp dist / ats- VS- dogs - 0,0,1, tas, 92
what	Copy 95 Melyone bucket/dist
TASK-B	DEPLOY CODE - On Jagle Cloud Patform Models Che Ete er Gede Models
TASK-G (	GIET bredictions (Use asclient) -> In jupyler laborly.

in the set [p, p2, p4]. # But we proved that this set is finite and there exists no other paine. Hence our assumption is wrong, So the paime are not finite but infinite. TAST-6 GBT Levelighous. from geogleopiclient import discovery.

from PIL import Imag.

import os

import hueby > to encode images before sending because we decode them. (redinga service. service = discourry- build ('m', sev1', cache-disovery = False) def get pred from model [ body, project - name, model name):
endum service, projects (). predict [
name = projects //z / models / { ] ' format ( project name)

model - name) body = body

3. escente () = So we com get decode the seq we secone back

project - name = Schyme - 269417 - we set it when we begin

google cloud. So it is diff

model - name = cats - vs dogs! I we set it when deploying model insternos - [ -images = [1.jpg, 2.jpg - ~] For for image in images:

ing = Imag. open (image)

ing = img. resize ((2:17, 3:120), Image = ANTIALIAS)

1 UT - 8 instances append (base 64-b 64 encode (img. to bytes ()), derode img. close ().

Sond progsto model and governe and ponse.	PUG1 RB SS 1010 101001 101001
	Feotos > A year of sale, age at time of sale, distance from city center no. of speed in locality, lat, long.
,	speed in locality, lat, long.
	TASKI- Import Lipeary
	MSk 2.13 Impoet Duta.