

-*- coding: utf-8 -*-

"""Importing the Libraries.ipynb

Automatically generated by Colaboratory.

Original file is located at

https://colab.research.google.com/drive/1_aMbENuypL3ISf5KoBMV-hWr3b_nb6Lz

"""

import numpy as np

import tensorflow as tf

import keras

import keras.backend as k

from keras.optimizers import SGD,Adam,Adagrad,RMSprop

from keras.application import *

from keras.preprocessing import *

from keras.preprocessing.image import ImageDataGenerator,array_to_img,img_to_array,load_img

from keras.callbacks import EarlyStopping, ModelCheckpoint

from keras.models import Sequential

from keras.layers import Dense,Conv2D, MaxPool2D, Flatten, Activation, BatchNormalization,Dropout

from keras.utils.np_utils import to_categorical

from sklearn.model_selection import train_test_split

import matplotlib.pyplot as plt

import glob

from PIL import Image

import os

from os import listdir