from tensorflow.keras.models import Sequential

from tensorflow.keras.layers import Flatten

from tensorflow.keras.layers import Dense

from tensorflow.keras.layers import Conv2D

from tensorflow.keras.layers import MaxPooling2D

from tensorflow.keras.callbacks import TensorBoard

from tensorflow.keras.preprocessing.image import ImageDataGenerator

import tensorflow

from tensorflow.keras.preprocessing import image

import matplotlib.pyplot as plt

import numpy as np

from sklearn.metrics import confusion\_matrix

import matplotlib.pyplot as plt

import seaborn as sns