Image Preprocessing

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| Project Name | AI-Powered Nutrition Analyzer For Fitness Enthusiasts |

# Import The Image Data Generator Library

import keras

from keras.preprocessing.image import Image Data Generator

# Configure Image Data Generator Class

train\_datagen=ImageDataGenerator(rescale=1./255,shear\_range=0.2,zoom\_range=0.2,horizontal\_flip=T rue)

test\_datagen=ImageDataGenerator(rescale=1./255)

# Apply Image DataGenerator Functionality To Trainset And Testset

from google.colab import drive drive.mount('/content/drive')

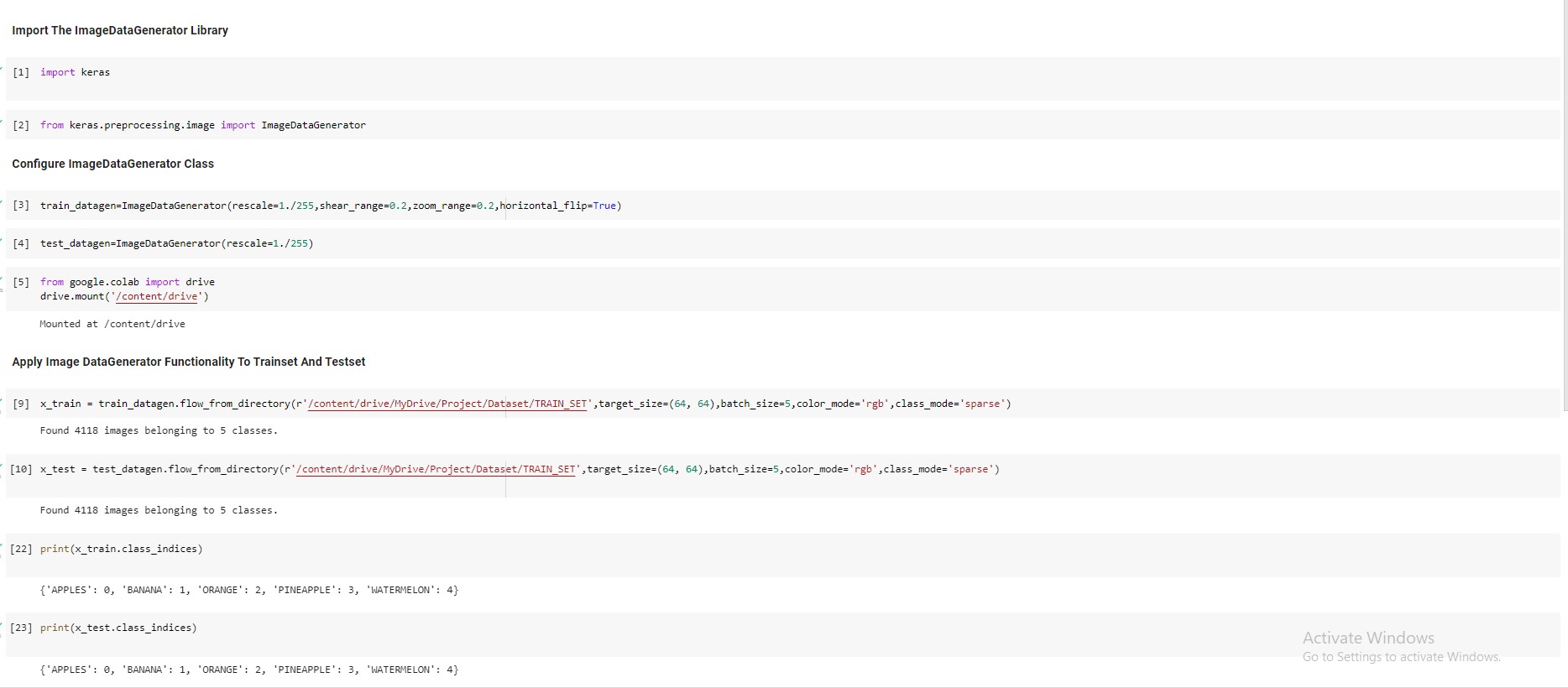
x\_train = train\_datagen.flow\_from\_directory(r'/content/drive/MyDrive/Project/Dataset/TRAIN\_SET',target\_size=( 64, 64),batch\_size=5,color\_mode='rgb',class\_mode='sparse')

x\_test

=test\_datagen.flow\_from\_directory(r'/content/drive/MyDrive/Project/Dataset/TRAIN\_SET',target\_size= (64, 64),batch\_size=5,color\_mode='rgb',class\_mode='sparse')

print(x\_train.class\_indices)

print(x\_test.class\_indices)



from collections import Counter as c c(x\_train .labels)