IMAGE PRE PROCESSING

Body:

1. **IMPORT THE IMAGEDATAGENERATOR LIBRARY :**

    from tensorflow.keras.preprocessing.image import ImageDataGenerator

2. **CONFIGURE IMAGEDATAGENERATOR CLASS IMAGE DATA AUGMENTATION :**

    train_datagen = ImageDataGenerator(rescale = 1./255,
    shear_range = 0.1, zoom_range = 0.1, horizontal_flip =
    True)
    test_datagen = ImageDataGenerator(rescale = 1./255)

3. **APPLY IMAGEDATAGENERATOR FUNCTIONALITY TO TRAINSET AND TESTSET :**

    training_set =
    train_datagen.flow_from_directory('/content/drive/MyDrive/body/trainin
    g',target_size = (224, 224),batch_size = 10,class_mode =
    'categorical')
    test_set =
    test_datagen.flow_from_directory('/content/drive/MyDrive/body/validati
    on',target_size = (224, 224),batch_size = 10,class_mode = 'categorical')

    Found 979 images belonging to 3 classes.
    Found 171 images belonging to 3 classes.

Level:

1. Import The ImageDataGenerator Library :

from tensorflow.keras.preprocessing.image import ImageDataGenerator

2. Configure ImageDataGenerator Class :

train_datagen = ImageDataGenerator(rescale = 1./255, shear_range = 0.1, zoom_range = 0.1, horizontal_flip = True) test_datagen = ImageDataGenerator(rescale = 1./255)

3. Apply ImageDataGenerator Functionality To Trainset And Testset :

training_set = train_datagen.flow_from_directory('/content/drive/MyDrive/level/training',target_size = (224, 224),batch_size = 10,class_mode = 'categorical')
test_set = test_datagen.flow_from_directory('/content/drive/MyDrive/level/validation',target_size = (224, 224),batch_size = 10,class_mode = 'categorical')

Found 979 images belonging to 3 classes.
Found 171 images belonging to 3 classes.