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

    Mounted at /content/drive

```
#Extracting Data
!unzip "/content/drive/MyDrive/body-20221107T061638Z-001.zip"
```

      inflating: body/training/00-front/0349.JPEG
      inflating: body/training/00-front/0350.JPEG
      inflating: body/training/00-front/0339.JPEG
      inflating: body/training/00-front/0367.JPEG
      inflating: body/training/00-front/0418.JPEG
      inflating: body/training/00-front/0335.JPEG
      inflating: body/training/00-front/0338.JPEG
      inflating: body/training/00-front/0321.JPEG
      inflating: body/training/00-front/0329.JPEG
      inflating: body/training/00-front/0373.JPEG
      inflating: body/training/01-rear/0043.JPEG
      inflating: body/training/00-front/0318.JPEG
      inflating: body/training/00-front/0320.JPEG
      inflating: body/training/00-front/0353.JPEG
      inflating: body/training/00-front/0366.JPEG
      inflating: body/training/00-front/0331.JPEG
      inflating: body/training/00-front/0319.JPEG
      inflating: body/training/00-front/0340.JPEG
      inflating: body/training/00-front/0332.JPEG
      inflating: body/training/00-front/0346.JPEG
      inflating: body/training/00-front/0351.JPEG
      inflating: body/training/00-front/0326.JPEG
      inflating: body/training/00-front/0323.JPEG
      inflating: body/training/00-front/0325.JPEG
      inflating: body/training/00-front/0324.JPEG
      inflating: body/training/00-front/0328.JPEG
      inflating: body/training/00-front/0309.JPEG
      inflating: body/training/00-front/0334.JPEG
      inflating: body/training/00-front/0300.JPEG
      inflating: body/training/00-front/0311.JPEG

      inflating: body/training/00-front/0313.JPEG
      inflating: body/training/00-front/0310.JPEG
```

```
        inflating: body/training/00-front/0303.JPEG
        inflating: body/training/00-front/0302.JPEG
        inflating: body/training/00-front/0330.JPEG
        inflating: body/training/00-front/0312.JPEG
        inflating: body/training/00-front/0304.JPEG
        inflating: body/training/00-front/0301.JPEG
        inflating: body/training/00-front/0419.JPEG
        inflating: body/training/00-front/0342.JPEG
        inflating: body/training/00-front/0333.JPEG
        inflating: body/training/00-front/0314.JPEG
        inflating: body/training/00-front/0307.JPEG
        inflating: body/training/00-front/0327.JPEG
        inflating: body/training/00-front/0315.JPEG
        inflating: body/training/00-front/0297.JPEG
        inflating: body/training/00-front/0316.JPEG
        inflating: body/training/00-front/0298.JPEG
        inflating: body/training/00-front/0299.JPEG
        inflating: body/training/00-front/0295.JPEG
        inflating: body/training/00-front/0322.JPEG
        inflating: body/training/00-front/0343.JPEG
        inflating: body/training/00-front/0317.JPEG
        inflating: body/training/00-front/0305.JPEG
        inflating: body/training/00-front/0306.JPEG
        inflating: body/training/00-front/0308.JPEG
        inflating: body/training/00-front/0296.JPEG
        inflating: body/training/01-rear/0049.JPEG
```

```python
#Import req. Lib.
from tensorflow.keras.preprocessing.image import ImageDataGenerator


#Augmentation On Training Variable
train_datagen = ImageDataGenerator(rescale= 1./255,
                                   shear_range=0.1,
                                   zoom_range=0.2,
                                   horizontal_flip =True)


#Augmentation On Testing Variable
test_datagen = ImageDataGenerator(rescale= 1./255)
```

```
#Augmentation On Training Variable
training_test = train_datagen.flow_from_directory('/content/body/training',
target_size=(224,224),
batch_size=10,
class_mode='categorical',)
```

    Found 979 images belonging to 3 classes.

```
#Augmentation On Training Variable
test_set = test_datagen.flow_from_directory('/content/body/validation',
target_size=(224,224),
batch_size=100,
class_mode='categorical')
```

    Found 171 images belonging to 3 classes.

```
#Extracting Data
!unzip "/content/drive/MyDrive/level-20221107T084432Z-001.zip"
```

          inflating: level/training/03-severe/0014.JPEG
          inflating: level/training/03-severe/0286.JPEG
          inflating: level/training/03-severe/0288.JPEG
          inflating: level/training/03-severe/0015.JPEG
          inflating: level/training/03-severe/0313.jpeg
          inflating: level/training/03-severe/0021.JPEG
          inflating: level/training/02-moderate/0022.JPEG
          inflating: level/training/02-moderate/0029.JPEG
          inflating: level/training/02-moderate/0019.JPEG
          inflating: level/training/03-severe/0013.JPEG
          inflating: level/training/03-severe/0294.JPEG
          inflating: level/training/03-severe/0007.JPEG
          inflating: level/training/03-severe/0377.JPEG
          inflating: level/training/03-severe/0287.JPEG
          inflating: level/training/03-severe/0291.JPEG
          inflating: level/training/03-severe/0011.JPEG
          inflating: level/training/02-moderate/0028.JPEG
          inflating: level/training/03-severe/0008.JPEG

          inflating: level/training/03-severe/0217.jpeg
          inflating: level/training/03-severe/0001.JPEG

```
 inflating: level/training/03-severe/0001.JPEG
 inflating: level/training/02-moderate/0020.JPEG
 inflating: level/training/02-moderate/0026.JPEG
 inflating: level/training/03-severe/0017.JPEG
 inflating: level/training/03-severe/0012.JPEG
 inflating: level/training/02-moderate/0027.JPEG
 inflating: level/training/03-severe/0005.JPEG
 inflating: level/training/03-severe/0010.JPEG
 inflating: level/training/02-moderate/0021.JPEG
 inflating: level/training/03-severe/0016.JPEG
 inflating: level/training/02-moderate/0015.JPEG
 inflating: level/training/03-severe/0002.JPEG
 inflating: level/training/02-moderate/0008.JPEG
 inflating: level/training/02-moderate/0017.JPEG
 inflating: level/training/02-moderate/0023.JPEG
 inflating: level/training/03-severe/0009.JPEG
 inflating: level/training/03-severe/0023.jpeg
 inflating: level/training/03-severe/0003.JPEG
 inflating: level/training/02-moderate/0003.JPEG
 inflating: level/training/02-moderate/0018.JPEG
 inflating: level/training/02-moderate/0010.JPEG
 inflating: level/training/02-moderate/0014.JPEG
 inflating: level/training/02-moderate/0012.JPEG
 inflating: level/training/02-moderate/0005.JPEG
 inflating: level/training/02-moderate/0013.JPEG
 inflating: level/training/02-moderate/0009.JPEG
 inflating: level/training/02-moderate/0036.JPEG
 inflating: level/training/03-severe/0006.JPEG
 inflating: level/training/02-moderate/0007.JPEG
 inflating: level/training/02-moderate/0004.JPEG
 inflating: level/training/02-moderate/0016.JPEG
 inflating: level/training/02-moderate/0001.JPEG
 inflating: level/training/03-severe/0004.JPEG
 inflating: level/training/02-moderate/0002.JPEG
 inflating: level/training/02-moderate/0042.JPEG
 inflating: level/training/02-moderate/0011.JPEG
 inflating: level/training/02-moderate/0006.JPEG
 inflating: level/training/02-moderate/0058.JPEG
```

```python
#Import req. Lib.
from tensorflow.keras.preprocessing.image import ImageDataGenerator
```

```python
#Augmentation On Training Variable
train_datagen = ImageDataGenerator(rescale= 1./255,
                                   shear_range=0.1,
                                   zoom_range=0.1,
                                   horizontal_flip =True)
```

```python
#Augmentation On Testing Variable
test_datagen = ImageDataGenerator(rescale= 1./255)
```

```python
#Augmentation On Training Variable
training_set = train_datagen.flow_from_directory('/content/level/training',
target_size=(224,224),
batch_size=10,
class_mode='categorical')
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```python
#Augmentation On Training Variable
test_set = test_datagen.flow_from_directory('/content/level/validation',
target_size=(224,224),
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```

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