

## Image Pre- Processing:

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### 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/Intelligent Vehicle  
Damage Assessment & Cost Estimator For Insurance  
Companies/Dataset/body/training',  
                                target_size = (224, 224),  
                                batch_size = 10,  
                                class_mode = 'categorical')  
  
test_set = test_datagen.flow_from_directory('/content/drive/MyDrive/Intelligent  
Vehicle Damage Assessment & Cost Estimator For Insurance  
Companies/Dataset/body/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.

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