Sprint 1

▾ Import The Library

```
from keras.preprocessing.image import ImageDataGenerator
```

▾ Preproceesing for ImageDataGenerator

```
train_datagen=ImageDataGenerator(rescale=1./255,shear_range=0.2,zoom_range=0.2,horizontal_flip=True)
test_datagen=ImageDataGenerator(rescale=1./255)
```

▾ Applying ImageDataGenerator functionality to trainset and testset

```
xtrain=train_datagen.flow_from_directory('/content/drive/MyDrive/Dataset/Garbage classification/Garbage classification',
                                         target_size=(128,128),
                                         class_mode='categorical',
                                         batch_size=64)
```

```
Found 2527 images belonging to 6 classes.
```

```
xtest=test_datagen.flow_from_directory('/content/drive/MyDrive/Dataset/Garbage classification/Garbage classification',
                                       target_size=(128,128),
                                       class_mode='categorical',
                                       batch_size=64)
```

```
Found 2527 images belonging to 6 classes.
```

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