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Sprint - 1

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

Mounted at /content/drive

#Extracting Data

!unzip "/content/drive/MyDrive/IBM Project/Dataset_Collection.zip"

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Image Augmentation / PreProcessing:

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#Import req. Lib.
from tensorflow.keras.preprocessing.image import ImageDataGenerator
#Augmentation On Training Variable
train datagen = ImageDataGenerator(rescale= 1./255,
                 zoom range=0.2,
                 horizontal flip =True)
#Augmentation On Testing Variable
test datagen = ImageDataGenerator(rescale= 1./255)
#Augmentation On Training Variable
ftrain = train_datagen.flow_from_directory('/content/Dataset_Collection/Train',
                                           target_size=(64,64),
                                           class_mode='categorical',
                                           batch size=100)
     Found 4111 images belonging to 5 classes.
#Augmentation On Training Variable
ftest = test datagen.flow from directory('/content/Dataset Collection/Test',
                                          target size=(64,64),
                                          class mode='categorical',
                                          batch size=100)
```

Found 429 images belonging to 5 classes.

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