

# IMAGE PREPROCESSING

## Define The Parameters /Arguments For ImageDataGenerator Class

Team Id	PNT2022TMID45404
Project Name	Emerging Method For Early Detection Of Forest Fires

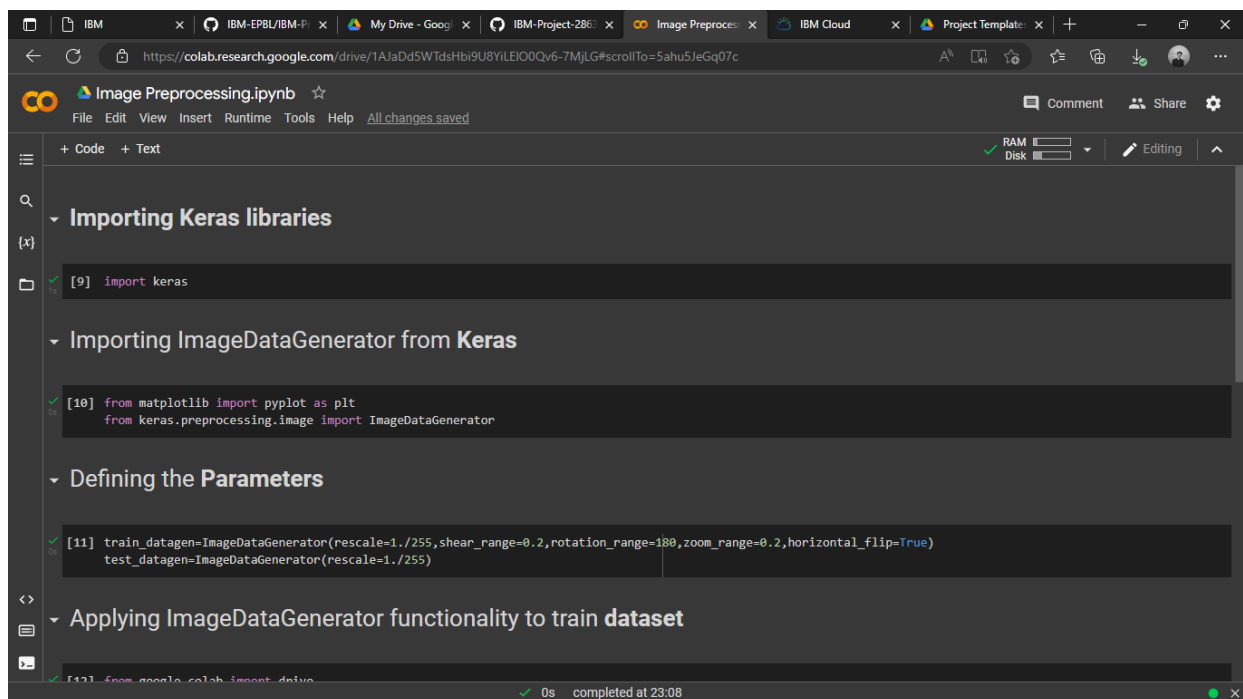
The Imagedatagenerator Class Has Three Methods,

- 1.Flow ( ),
- 2.Flow\_From\_Directory ( )
- 3.Flow\_From\_Dataframe ( ) To Read The Images From A Big Numpy Array And Folders Containing Images.

Flow\_From\_Directory ( ) Expects At Least One Directory Under The Given Directory Path.

### Define The Parameters:

```
train_datagen=ImageDataGenerator(rescale=1./255, shear_range=0.2, rotation_range=180, zoom_range=0.2, horizontal_flip=True)
test_datagen=ImageDataGenerator(rescale=1./255)
```



```
Image Preprocessing.ipynb
File Edit View Insert Runtime Tools Help All changes saved
+ Code + Text
RAM 100% Disk 100% Editing
- Importing Keras libraries
[9] import keras
- Importing ImageDataGenerator from Keras
[10] from matplotlib import pyplot as plt
from keras.preprocessing.image import ImageDataGenerator
- Defining the Parameters
[11] train_datagen=ImageDataGenerator(rescale=1./255, shear_range=0.2, rotation_range=180, zoom_range=0.2, horizontal_flip=True)
test_datagen=ImageDataGenerator(rescale=1./255)
- Applying ImageDataGenerator functionality to train dataset
[12] from google.colab import drive
```