

IMAGE PREPROCESSING

Define The Parameters

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| 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.

Importing Keras libraries

```
import keras
```

In [1]:

Importing ImageDataGenerator from Keras

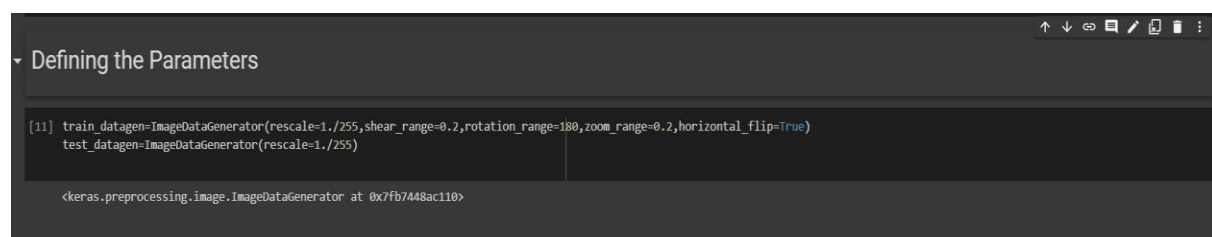
```
from matplotlib import pyplot as plt
from keras.preprocessing.image import ImageDataGenerator
```

In [13]:

Defining 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)
```

In [11]:



```
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)

<keras.preprocessing.image.ImageDataGenerator at 0x7fb7448ac110>
```