Emerging methods for early detection of forest fire

# MODEL BUILDING INITIALIZING THE MODEL

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| Team ID | PNT2022TMID17141 |
| Project Name | Emerging methods for early detection of forest fire |

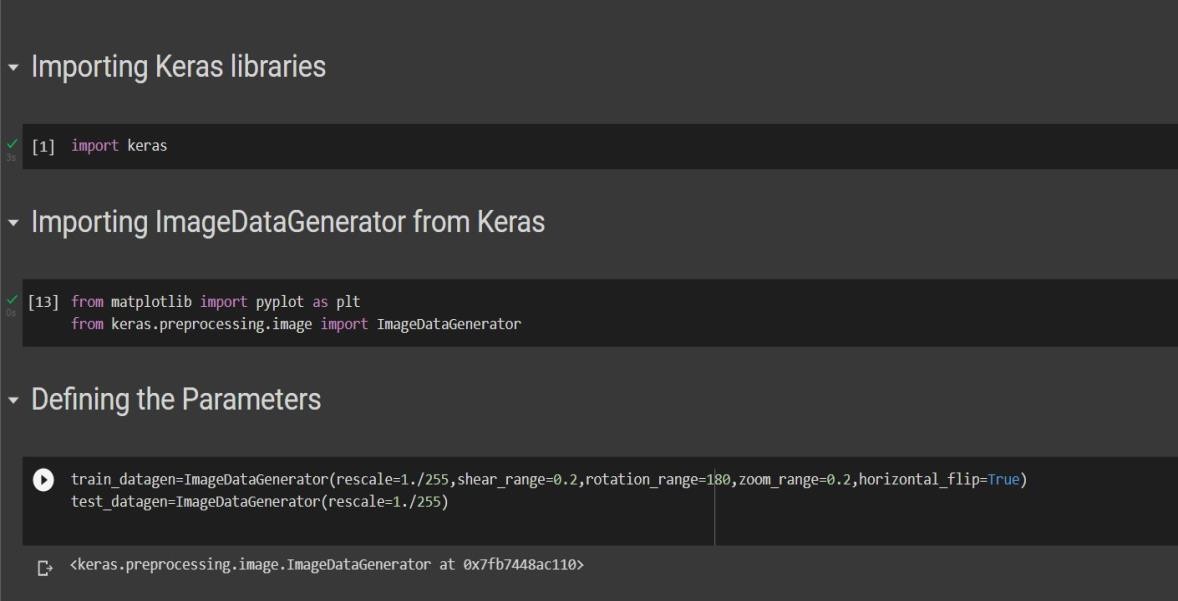
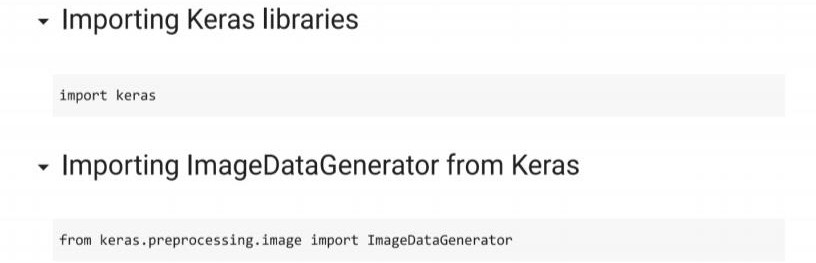
## INITIALILIZING THE MODEL: keras

has 2 ways to define a neural network:

* Sequential
* Function API

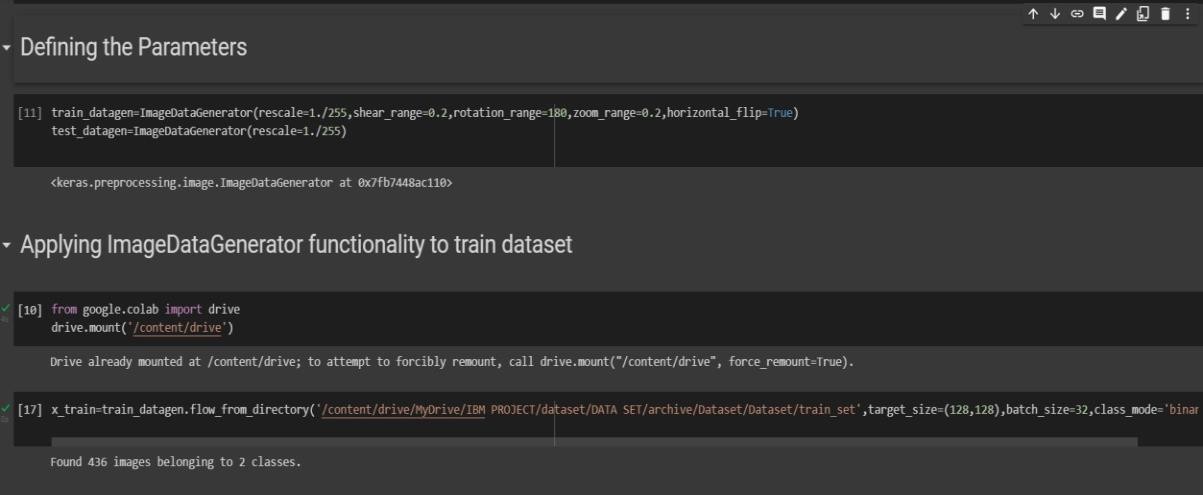
The Sequential class is used to define linear initializations of network layers which then, collectively, constitute a model. In our example below, we will use the Sequential constructor to create a model, which will then have layers added to it using the add () method.

Now, will initialize our model.



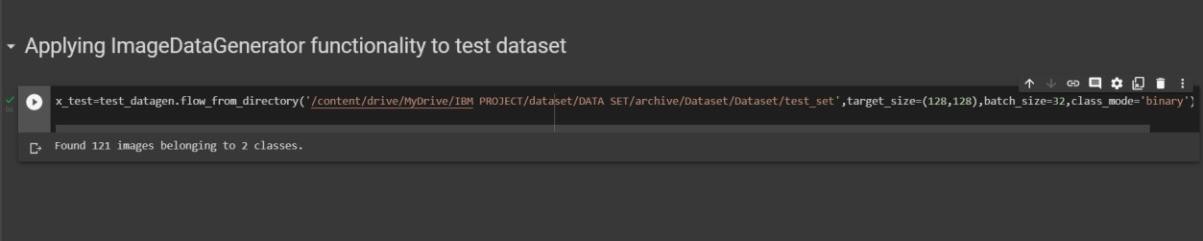
# APPLYING ImageDataGenerator to train dataset:

ply**flow\_from\_directory ( )**methodfor Train folder.



# APPLYING ImageDataGenerator to test dataset:

Applying the **flow\_from\_directory ( )** methodfortest folder.



# IMPORTING MODEL BUILDING LIBRARIES:

## INITIALIZING THE MODEL:

