EARLY DETECTION OF FOREST FIRE USING DEEP LEARNING MODEL BUILDING

INITIALIZING THE MODEL

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Project Name	Project-Early detection of forest fire using deep learning

INITIALILIZING THE MODEL:

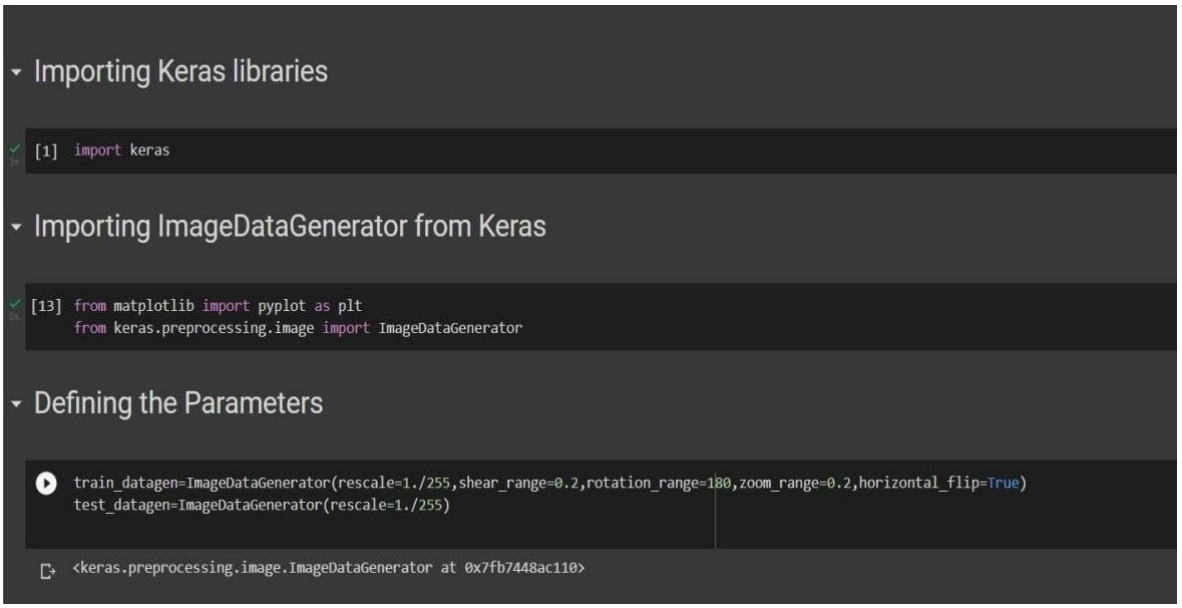
keras has 2 ways to define a neural network:

- Sequential
- Function API

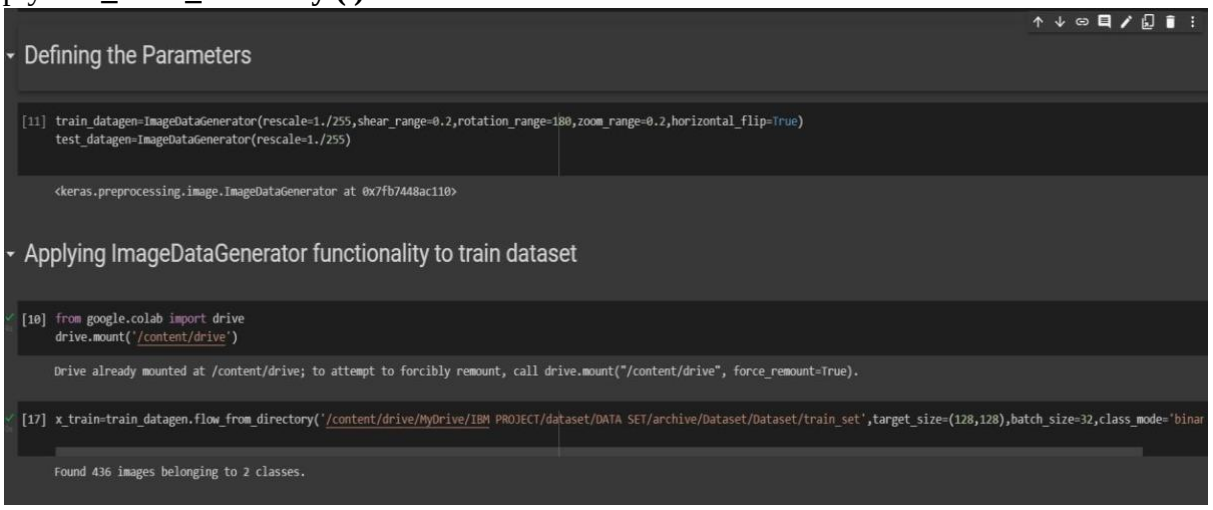
The Sequential class is used to define linear initializations of network layers which then, collectively, constitute a model. In our example below, we will use the Sequential constructor to create a model, which will then have layers added to it using the add () method.

Now, will initialize our model.

APPLYING ImageDataGenerator to train dataset:

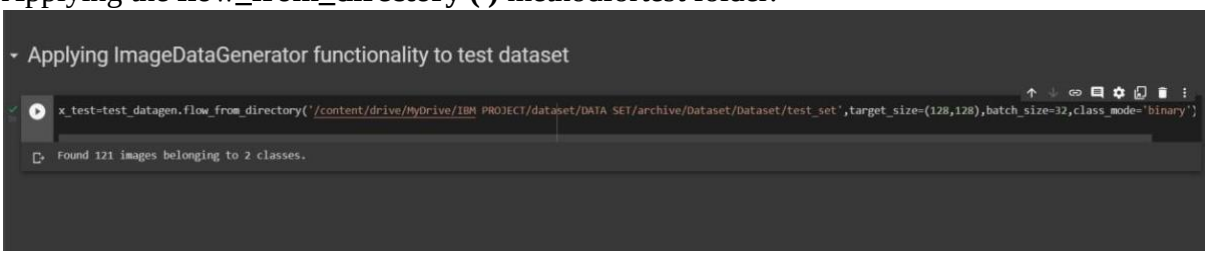


ply**flow_from_directory ( )**methodfor Train folder.



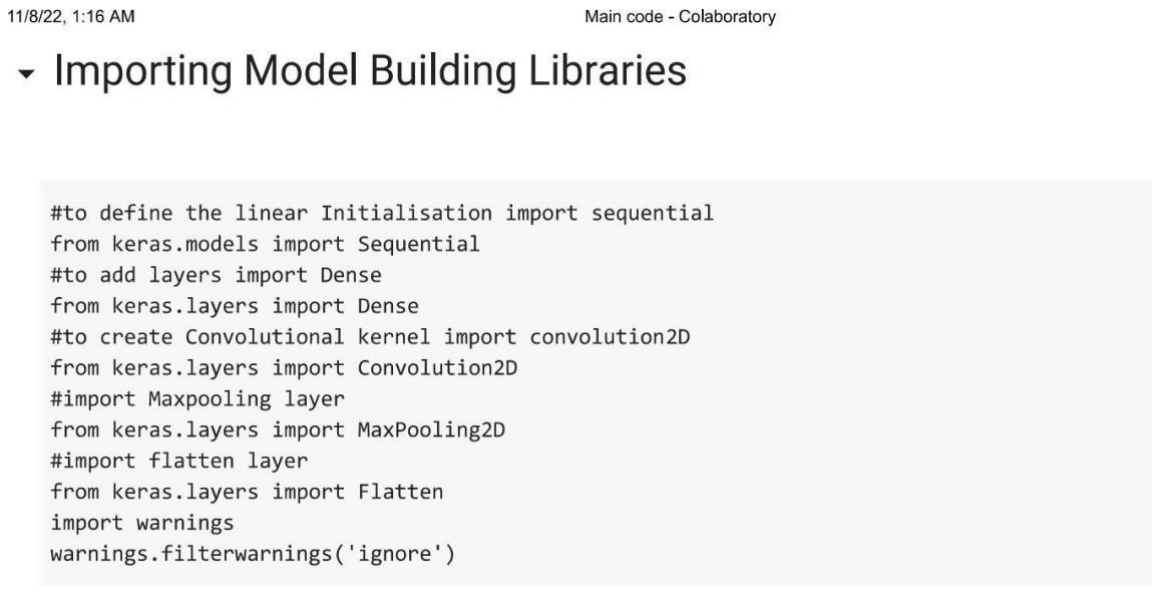
APPLYING ImageDataGenerator to test dataset:

Applying the **flow_from_directory ( )** methodfortest folder.



IMPORTING MODEL BUILDING LIBRARIES:

INITIALIZING THE MODEL:



Initializing the model

```
model=Sequential()
```