EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRE MODEL BUILDING

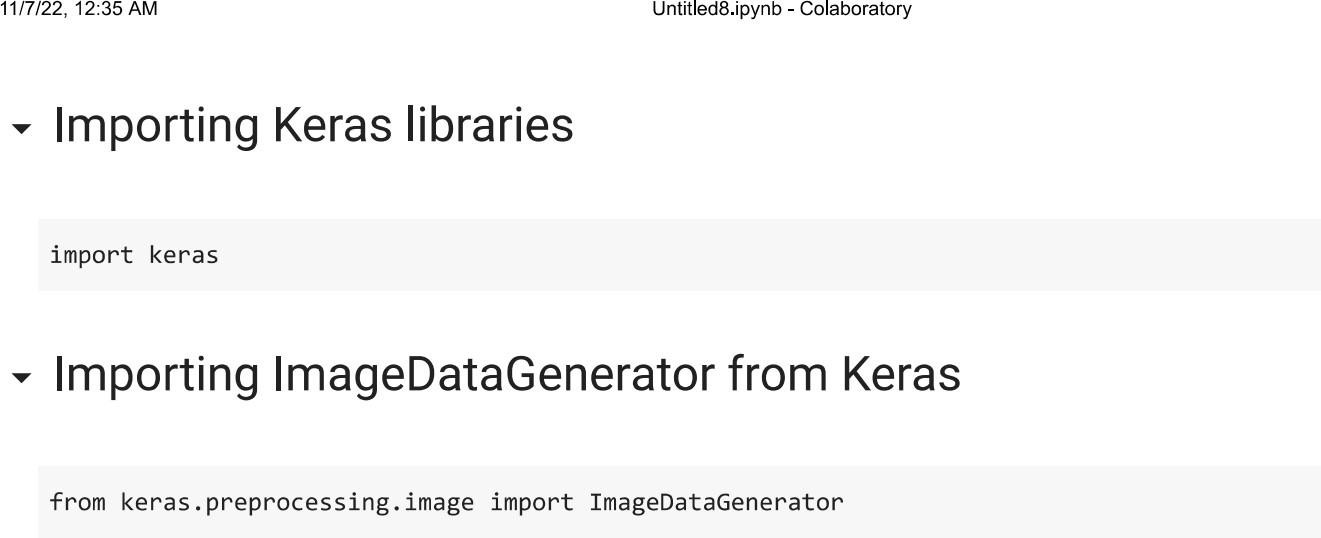
PREDICTIONS

|  |  |
| --- | --- |
| Team ID | PNT2022TMID37632 |
| Project Name | Project- Emerging Methods For Early Detection of Forest Fire |

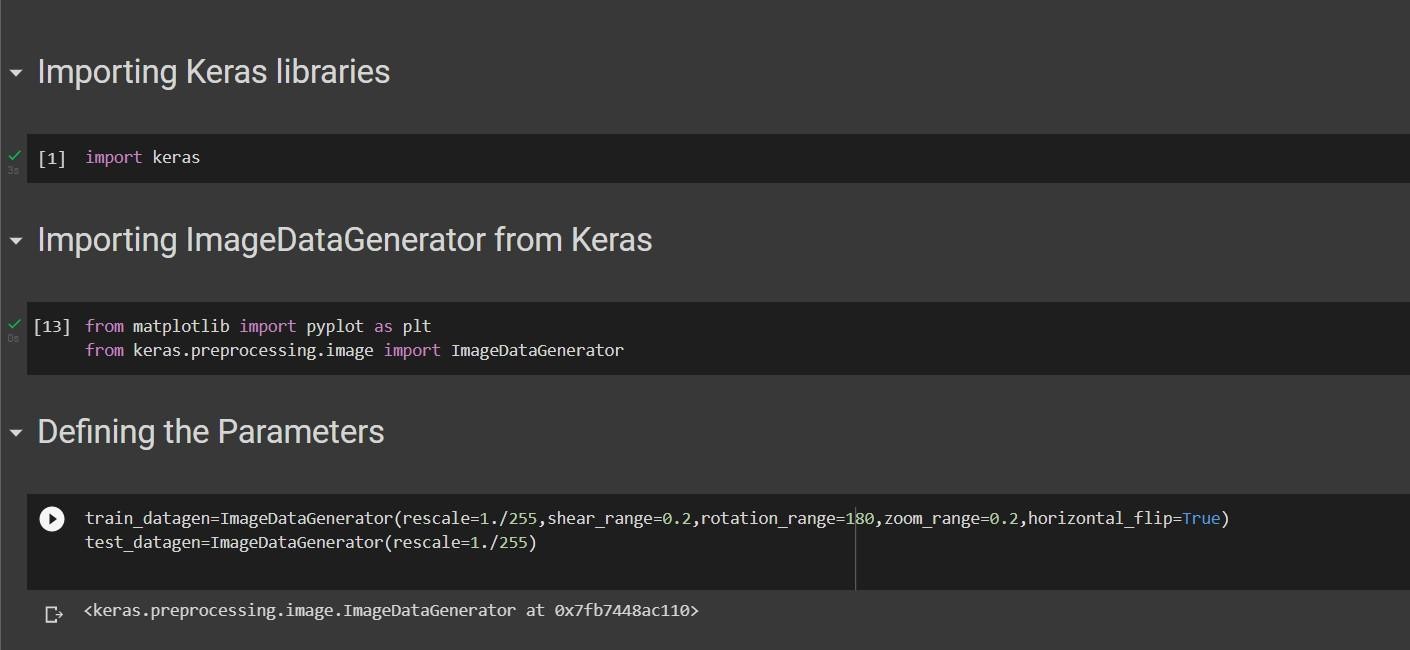
PREDICTIONS:

The last and final step is to make use of our saved model to do predictions. For that we have a class in keras called load\_model. Load\_model is used to load our saved model h5 file (alert.h5).

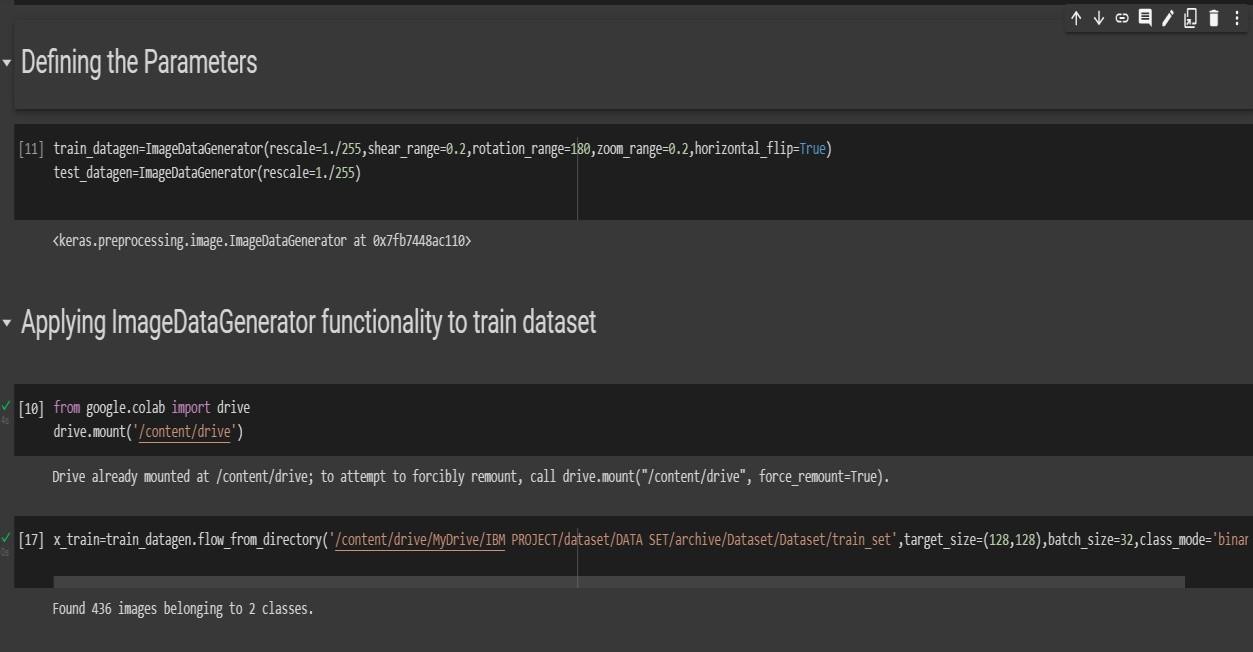
**IMPORT LIBRARIES:**



**IMPORT ImageDataGenerator FROM KERAS:**

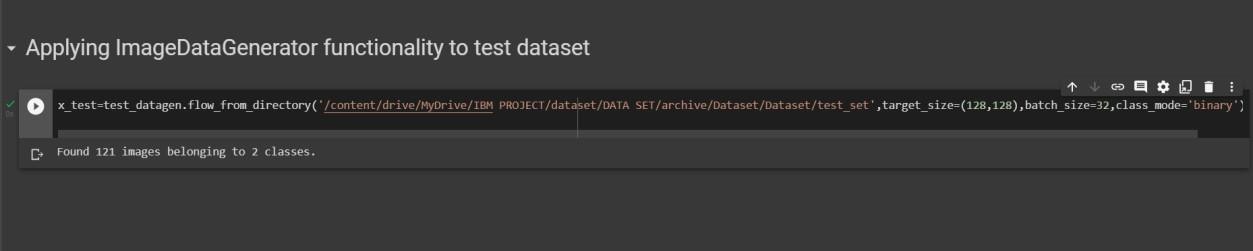


APPLYING ImageDataGenerator to train dataset:

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

APPLYING ImageDataGenerator to test dataset:

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



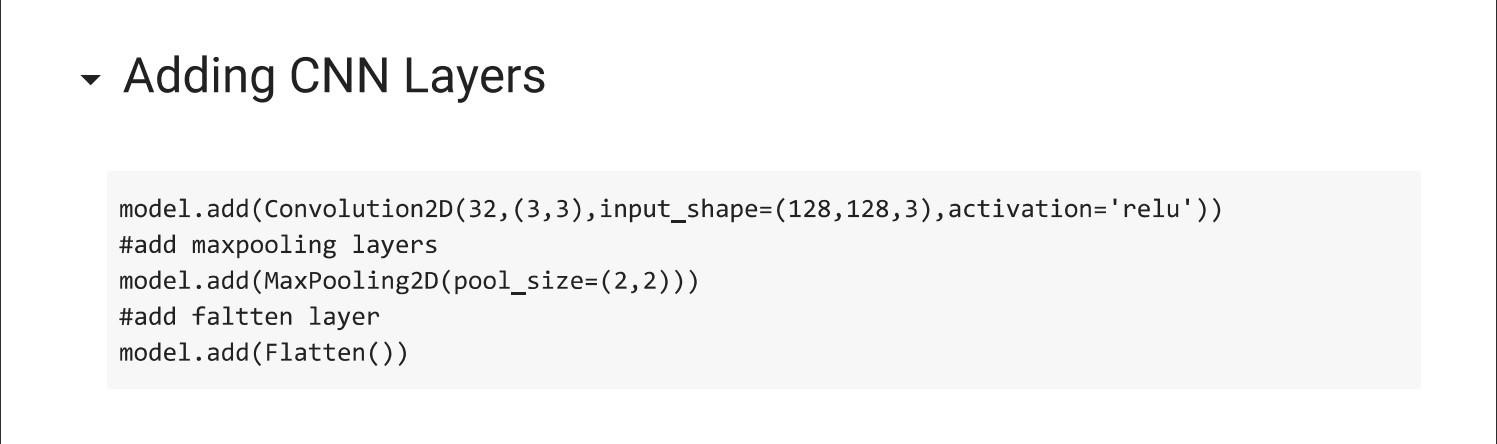
IMPORTING MODEL BUILDING LIBRARIES:



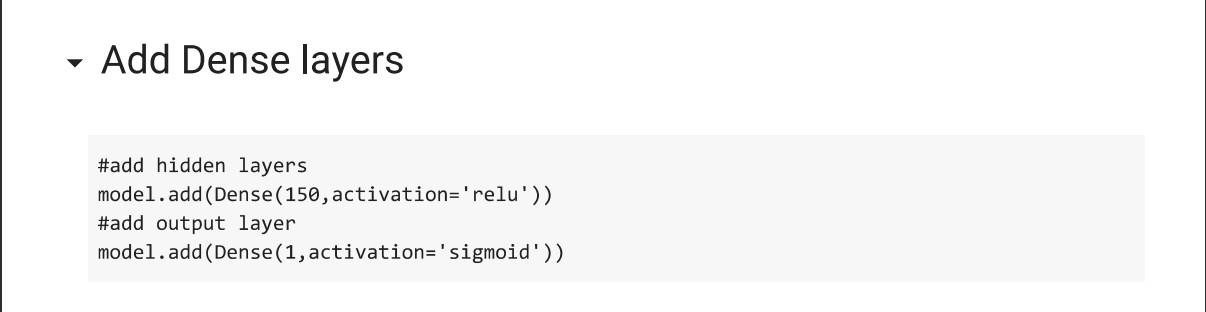
**INITIALIZING THE MODEL:**



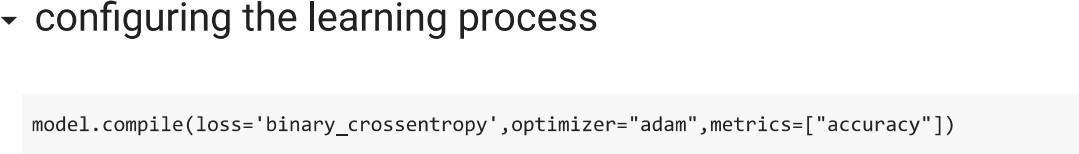
**ADDING CNN LAYERS:**



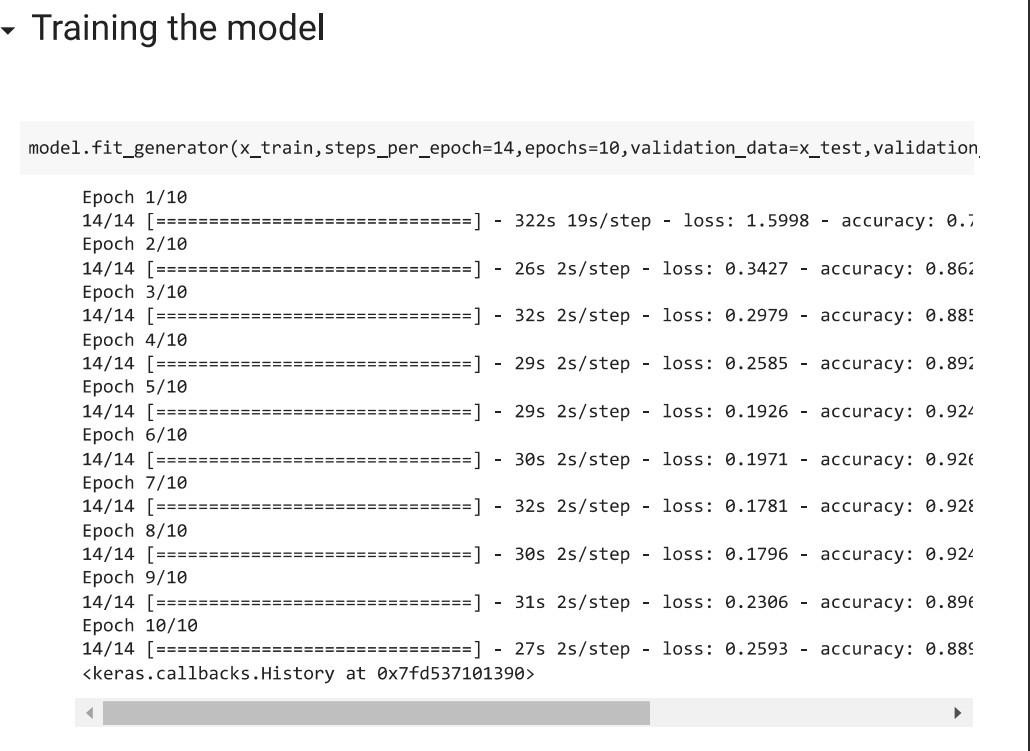
**ADDING DENSE LAYERS:**



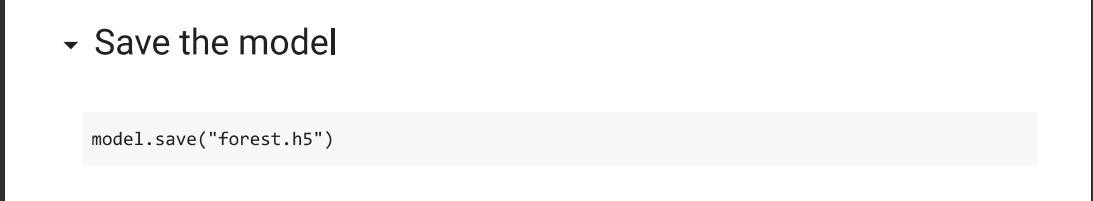
**CONFIGURING THE LEARNING PROCESS:**



**TRAINING THE MODEL:**



**SAVE THE MODEL:**



**PREDICTIONS:**



