# Emerging methods for early detection of forest fire

**Model building**

# Configuring the learning process

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

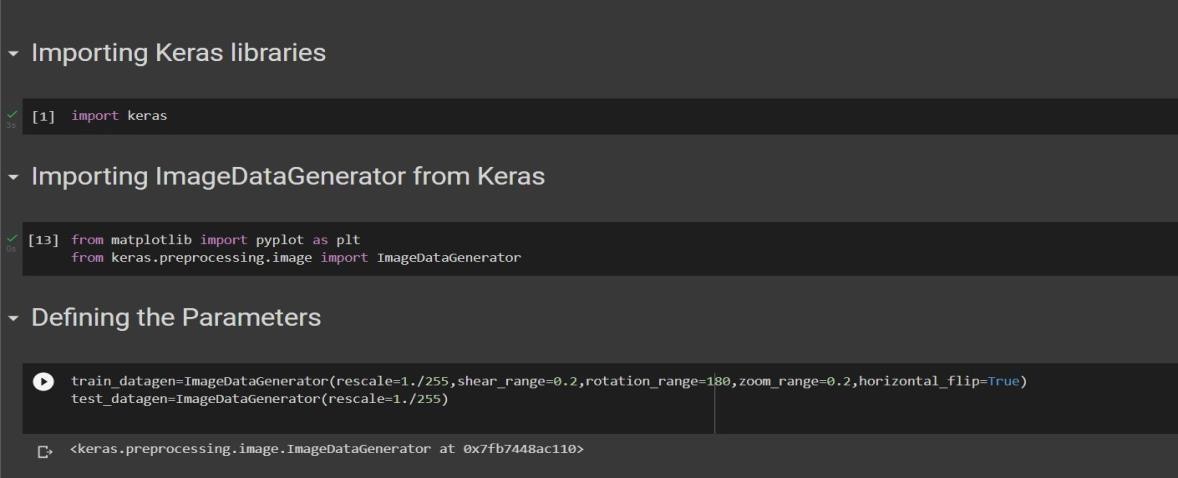
**Configuring the learning process**

With both the training data defined and model defined, it's time to configure the learning process. This is accomplished with a call to the compile () method of the Sequential model class. Compilation requires 3 arguments: an optimizer, a loss function, and a list of metrics.

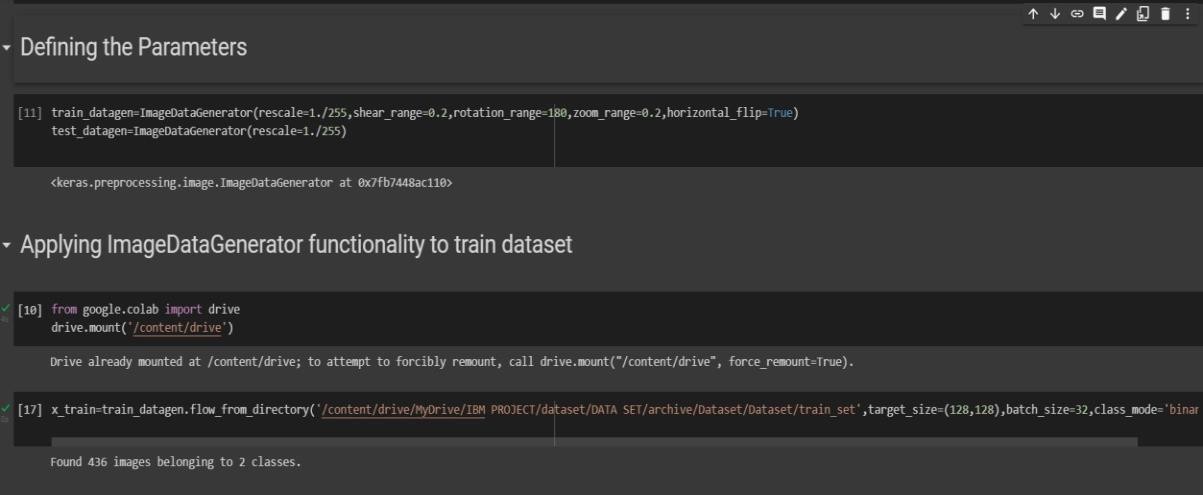
**IMPORT LIBRARIES:**



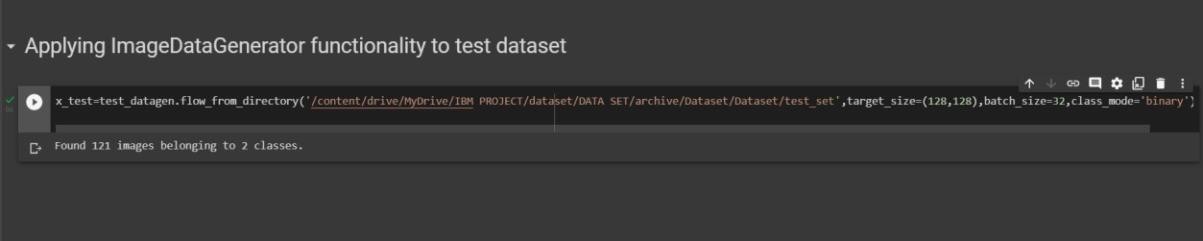
**IMPORT ImageDataGenerator FROM KERAS:**



# APPLYING ImageDataGenerator to train dataset:

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

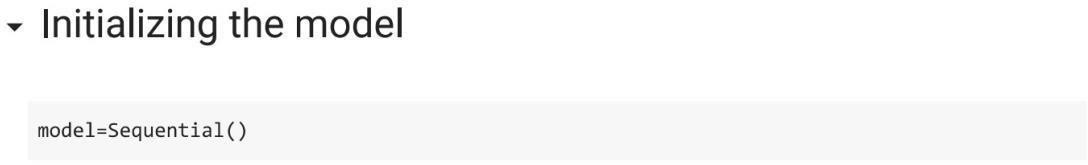
# APPLYING ImageDataGenerator to test dataset:

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

# IMPORTING MODEL BUILDING LIBRARIES:



**INITIALIZING THE MODEL:**



**ADDING CNN LAYERS:**

**ADDING DENSE LAYERS:**



**CONFIGURING THE LEARNING PROCESS:**

