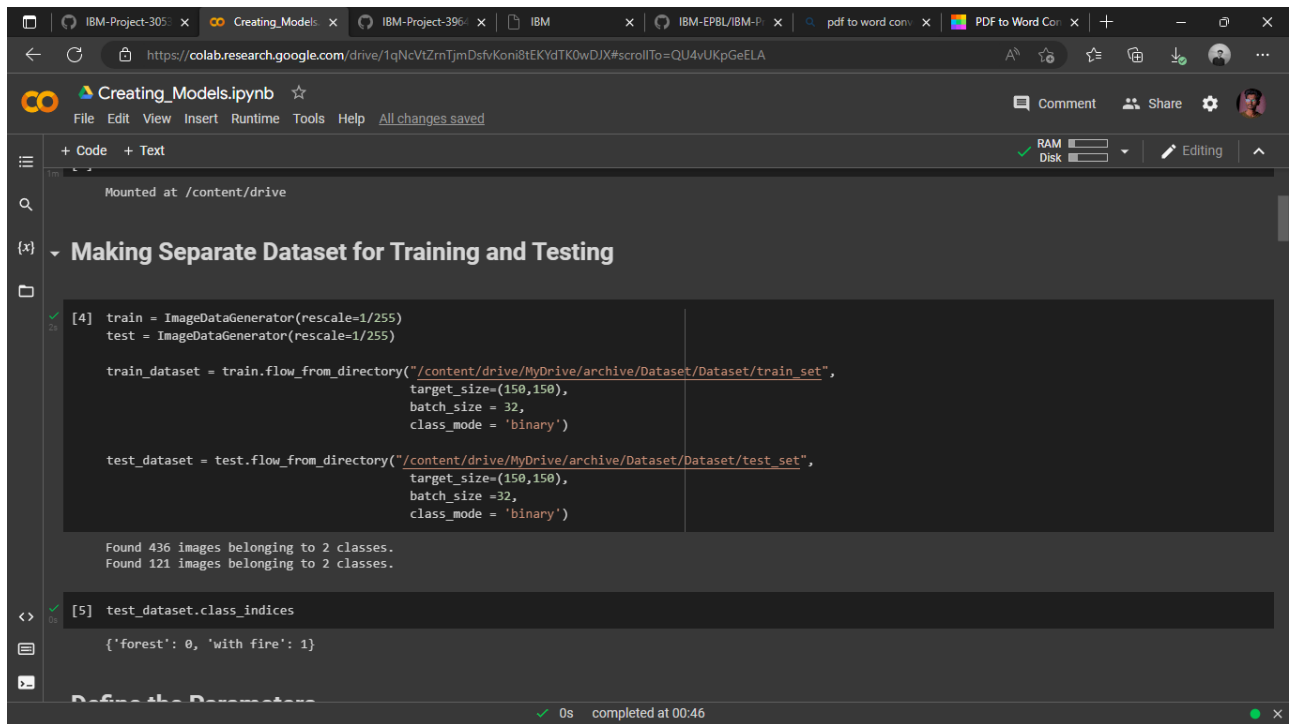


IMAGE PREPROCESSING

Applying ImageDataGenerator Functionality To Trainset And Testset

Team Id	PNT2022TMID45404
Project Name	Emerging Method For Early Detection Of Forest Fires



The screenshot shows a Google Colab notebook interface. The browser tabs at the top include 'IBM-Project-305', 'Creating_Models', 'IBM-Project-396', 'IBM', 'IBM-EPBL/IBM-P', 'pdf to word con', and 'PDF to Word Con'. The notebook title is 'Creating_Models.ipynb'. The code is written in a dark-themed editor. The first cell, labeled '[4]', contains code to create two ImageDataGenerator objects, 'train' and 'test', both with 'rescale=1/255'. It then uses 'train.flow_from_directory' to create 'train_dataset' and 'test.flow_from_directory' to create 'test_dataset', both with 'target_size=(150,150)', 'batch_size = 32', and 'class_mode = 'binary''. The output shows 'Found 436 images belonging to 2 classes.' and 'Found 121 images belonging to 2 classes.'. The second cell, labeled '[5]', contains the code 'test_dataset.class_indices', which outputs a dictionary: {'forest': 0, 'with fire': 1}. The bottom status bar indicates '0s completed at 00:46'.

```
[4] train = ImageDataGenerator(rescale=1/255)
test = ImageDataGenerator(rescale=1/255)

train_dataset = train.flow_from_directory("/content/drive/MyDrive/archive/Dataset/Dataset/train_set",
                                         target_size=(150,150),
                                         batch_size = 32,
                                         class_mode = 'binary')

test_dataset = test.flow_from_directory("/content/drive/MyDrive/archive/Dataset/Dataset/test_set",
                                       target_size=(150,150),
                                       batch_size=32,
                                       class_mode = 'binary')

Found 436 images belonging to 2 classes.
Found 121 images belonging to 2 classes.

[5] test_dataset.class_indices

{'forest': 0, 'with fire': 1}
```