SPRINT – 1

DATA COLLECTION:

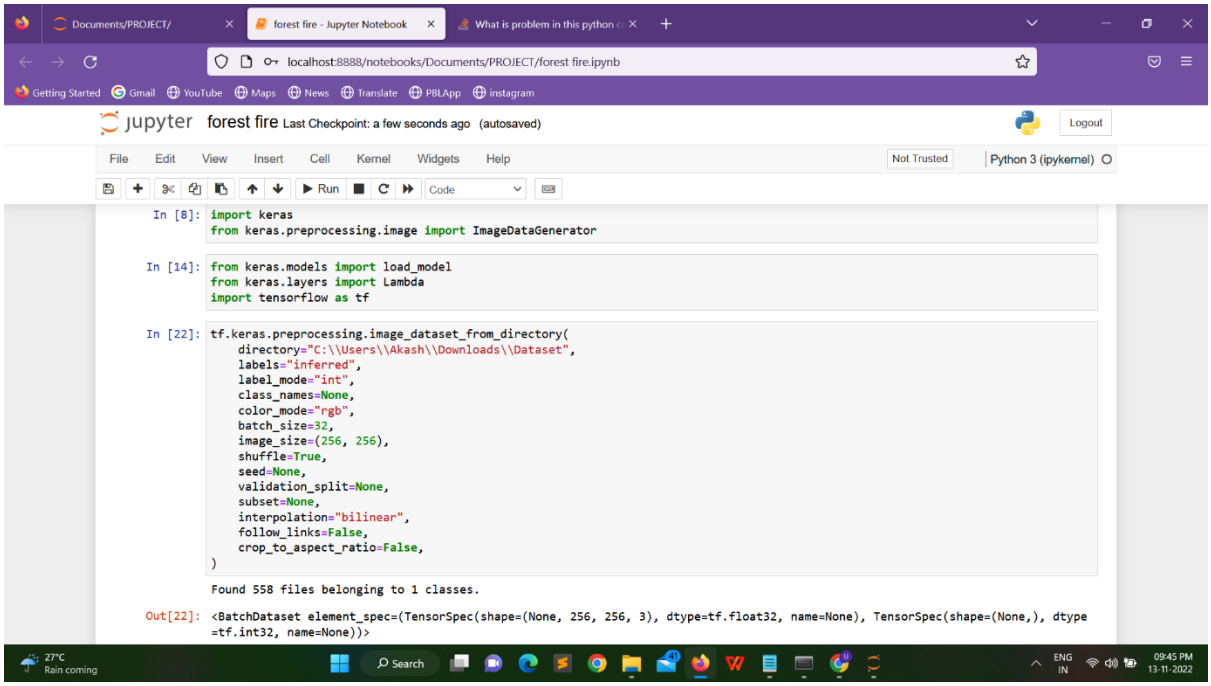
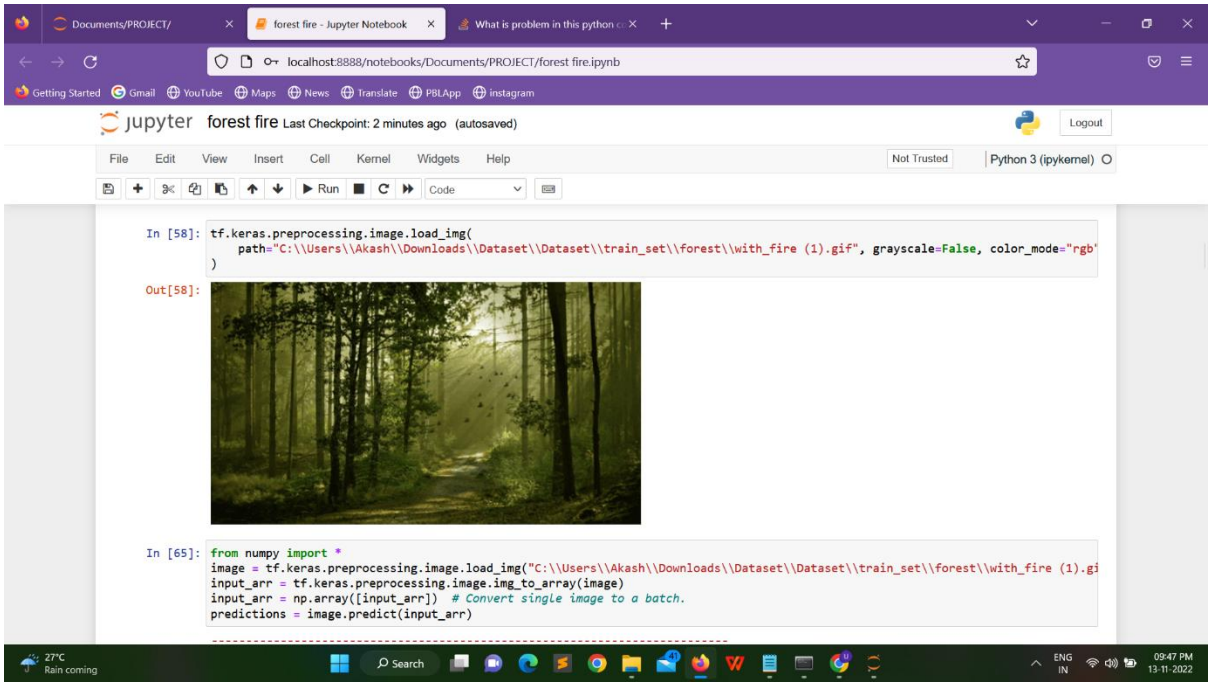


IMAGE PREPROCESSING:



In [10]:
```
train_datagen=ImageDataGenerator(rescale=1./255,shear_range=0.2,rotation_range=180,zoom_range=0.2,horizontal_flip=True)
test_datagen=ImageDataGenerator(rescale=1./255)
```

In [21]:
```
#: Applying ImageDataGenerator functionality to trainset.
x_train = train_datagen.flow_from_directory(r'C:\Users\Akash\Downloads\Dataset\Dataset\train_set',
                                            target_size = (128,128),
                                            batch_size = 32,
                                            class_mode= 'binary')
```

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

In [22]:
```
x_test = test_datagen.flow_from_directory(r'C:\Users\Akash\Downloads\Dataset\Dataset\test_set',
                                          target_size = (128,128),
                                          batch_size = 32,
                                          class_mode= 'binary')
```

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