DATA COLLECTION

```
import tensorflow as tf
import numpy as np
from tensorflow import keras
import os
import cv2
from tensorflow.keras.preprocessing.image import ImageDataGenerator
from tensorflow.keras.preprocessing import image
import matplotlib.pyplot as plt
train = ImageDataGenerator(rescale=1/255)
test = ImageDataGenerator(rescale=1/255)
train_dataset = train.flow_from_directory("/content/drive/MyDrive/IBM/Dataset/train_set",
                                                  target_size=(150,150),
                                                  batch_size = 32,
                                                  class_mode = 'binary')
test_dataset = test.flow_from_directory("/content/drive/MyDrive/IBM/Dataset/test_set",
                                                  target_size=(150,150),
                                                  batch_size =32,
                                                  class_mode = 'binary')
Found 20 images belonging to 2 classes.
Found 20 images belonging to 2 classes.
test_dataset.class_indices
{'Fire': 0, 'NoFire': 1}
```