UNZIP THE FILE

```
[] from google.colab import drive drive.mount('/content/drive')

Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/drive", force_remount=True).

**Content/drive/MyOrive/Colab** intetbooks/TRAIN_SET.zip'

| Unuzip '/content/drive/MyOrive/Colab** intetbooks/TRAIN_SET.zip'

| Parchive: /content/drive/MyOrive/Colab** intetbooks/TRAIN_SET.zip'

| replace TRAIN_SET/APPLES/100.jpg (yes, n]o, [A]ll, [N]one, [r]ename: n replace TRAIN_SET/APPLES/100.jpg (yes, n]o, [A]ll, [N]one, [r]ename: a replace TRAIN_SET/APPLES/100.jpg (yes, n]o, [A]ll, [N]one, [r]ename: y inflating: TRAIN_SET/APPLES/100.jpg (yes, n]o, [A]ll, [N]one, [r]ename: A inflating: TRAIN_SET/APPLES/100.jpg (yes, n]o, [R] (yes, n]o, [R
```

```
INTIALINE; INNIE, SELFORMORE, 313, 100, jpg
inflating: TRAIL, SELFORMORE, 318, 100, jpg
inflating: TRAIL, SELFORMORE, 318, 100, jpg
inflating: TRAIL, SELFORMORE, 319, 100, jpg
inflating: TRAIL, SELFORMORE, 319, 100, jpg
inflating: TRAIL, SELFORMORE, 310, jpg
inflat
```

SEPARATE THE TEST AND TRAIN SET

```
[] print(x_train.class_indices)

{'APPLES': 0, 'BANANA': 1, 'ORANGE': 2, 'PINEAPPLE': 3, 'WATERMELON': 4}

[] print(x_test.class_indices)

{'APPLES': 0, 'BANANA': 1, 'ORANGE': 2, 'PINEAPPLE': 3, 'WATERMELON': 4}

[] from collections import Counter as c c(x_train.labels)

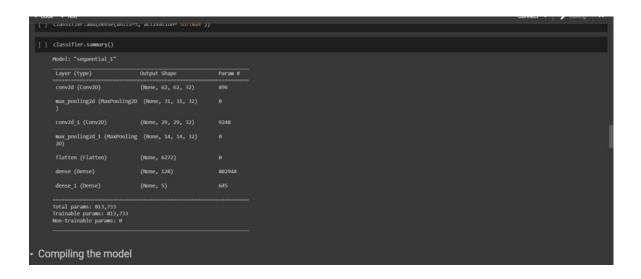
Counter({0: 606, 1: 445, 2: 479, 3: 621, 4: 475})

* Importing Neccessarry Libraries

[] import numpy as np import tensorflow.keras.models import Sequential from tensorflow.keras import layers from tensorflow.keras.layers import convzo, MaxPoolingzD,Dropout from keras.preprocessing.lange import ImageDataGenerator
```

INITIALIZING & CREATING THE MODEL





COMPILING & FITTING THE MODEL

SAVING THE MODEL & PREDICTING THE RESULTS

