Model Building
TestTheModel

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ProjectName	AI-Powered Nutrition Analyzer ForFitness Enthusiasts

TestTheModel

❖ Evaluationisaprocessduringthedevelopmentofthemodeltocheck whether the model is the best fit for the given problem andcorresponding data.❖Loadthesaved modelusingload model.

```
Predicting our results

[ ]  from tensorflow.keras.models import load_model
     from tensorflow.keras.preprocessing import image
     import numpy as np
```

❖ Takinganimageasinputandcheckingtheresults.

```
[ ]  img = image.load_img("/content/drive/MyDrive/Colab Notebooks/Dataset/TEST_SET/BANANA/102_100.jpg",target_size= (64,64))#loading of the image
     img
```

❖ Byusingthemodelwearepredictingtheoutputforthegiveninputimage.

```
[ ]  labels=['APPLES', 'BANANA', 'ORANGE','PINEAPPLE','WATERMELON']
     labels[np.argmax(pred)]

     'BANANA'
```

❖ Thepredictedclassindexnamewillbeprintedhere.