Model Building

Test The Model

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Project Name	AI-Powered Nutrition Analyzer For Fitness Enthusiasts

Test The Model

❖ Evaluation is a process during the development of the model to check whether the model is the best fit for the given problem and corresponding data.

❖ Load the saved model using load model.

```
Predicting our results

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

❖ Taking an image as input and checking the results.

```
[ ]  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
```

❖ By using the model we are predicting the output for the given input image.

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

     'BANANA'
```

❖ The predicted class index name will be printed here.