Final Output

Date	5 November 2022
Team ID	PNT2022TMID13870
Project Name	Project - AI-Powered Nutrition Analyzer for Fitness Enthusiasts

+ Code + Text

```
x = np.expand_dims(x,axis = 0)
predict_x=model.predict(x)
classes_x=np.argmax(predict_x,axis=-1)
classes_x
```

```
1/1 [==============================] - 0s 107ms/step
array([2])
```

```
index=['APPLES', 'BANANA', 'ORANGE','PINEAPPLE','WATERMELON']
result=str(index[classes_x[0]])
result
```

```
'ORANGE'
```

```
print(result)
if result == 'APPLES':
  print("One serving, or one medium apple, provides about 95 calories, 0 gram fat, 1 gr
elif result == 'BANANA':
  print("One serving, or one medium ripe banana, provides about 110 calories, 0 gram fa
elif result == 'ORANGE':
  print("60 calories, No fat or sodium, 3 grams of fiber, 12 grams of sugar, 1 gram of
elif result == 'PINEAPPLE':
  print("Calories: 83, Fat: 1.7 grams, Protein: 1 gram, Carbs: 21.6 grams, Fiber: 2.3 g
elif result == 'WATERMELON':
  print("Calories: 46, Carbs: 11.5 grams, Fiber: 0.6 grams, Sugar: 9.4 grams, Protein:
```

```
ORANGE
60 calories, No fat or sodium, 3 grams of fiber, 12 grams of sugar, 1 gram of protein,
```

Fruit: ORANGE

Nutrition: 60 calories, No fat or sodium, 3 grams of fiber, 12 grams of sugar, 1 gram of protein, 14 micrograms of vitamin A, 70 milligrams of vitamin C, 6% of your daily recommended amount of calcium.