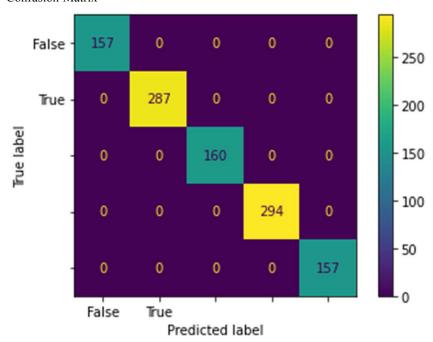
Model Performance Metrics

Date	14 November 2022		
Team ID	PNT2022TMID31264		
Project Name	AI POWERED NUTRITION ANALYZER FORFITNESS ENTHUSIASTS		

1. Confusion Matrix



print(metrics.classification_report(test_data['label'].values, test_data['model_preds'].values))

	precision	recall	f1-score	support
0 1 2 3 4	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	1.00 1.00 1.00 1.00	157 287 160 294 157
accuracy macro avg weighted avg	1.00	1.00	1.00 1.00 1.00	1055 1055 1055

2. Accuracy – 100 %

[8] print(f"the accuracy is {metrics.accuracy_score(test_data['label'].values, test_data['model_preds'].values)}")
the accuracy is 1.0

3. Precision – 100 %

[11] print(f"the precision is {metrics.precision_score(test_data['label'].values, test_data['model_preds'].values, average = 'weighted')}")
the precision is 1.0

4. Recall - 100 %

```
v [12] print(f"the recall is {metrics.recall_score(test_data['label'].values, test_data['model_preds'].values, average = 'weighted')}")
       the recall is 1.0
```

5. Specificity – 100 %

```
print(f"the specificity is {metrics.recall_score(test_data['label'].values, test_data['model_preds'].values, pos_label=0,average = 'weighted')}")
```

the specificity is 1.0 f. F1-Score -100%

```
[13] print(f"the f1 score is {metrics.f1_score(test_data['label'].values, test_data['model_preds'].values,average = 'weighted')}")
       the f1 score is 1.0
```