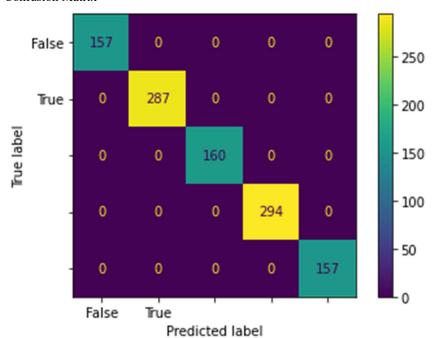
#### **Model Performance Metrics**

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Project Name	AI POWERED NUTRITION ANALYZER		
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#### 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 %

```
[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
- 6. 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