MODEL EVALUATION

Team ID	PNT2022TMID35637
Project Name	Detecting Parkinsons' Disease Using Machine Learning

Spiral Drawings

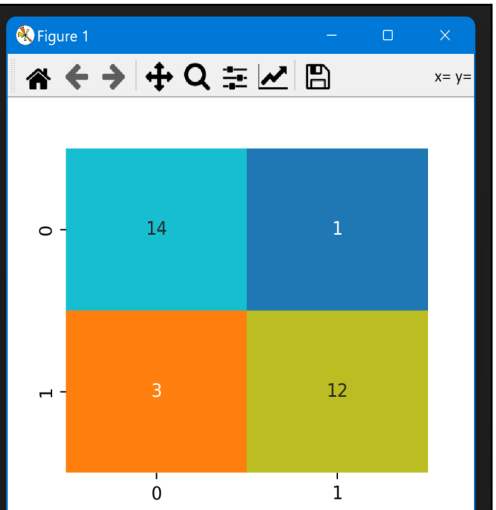
```
(base) PS C:\Users\vasur\Downloads\IBM> python -W ignore spiral.py

SPIRAL DRAWINGS:-
Model - Random Forest Classifier

Healthy --> 0    Parkinson --> 1
Prediction:  [0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 0 0 1 1 1]
Actual:  [0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1]


MODEL EVALUATION:-

Accuracy:  0.8666666666666667
Recall:  0.8
Precision:  0.9230769230769231
F1 score:  0.8571428571428571
Confusion Matrix:
 [[14  1]
 [ 3 12]]
```



Wave Drawings

```
(base) PS C:\Users\vasur\Downloads\IBM> python -W ignore wave.py

WAVE DRAWINGS:-
Model - K-Neighbor Classifier

Healthy --> 0    Parkinson --> 1
Prediction:  [0 0 0 0 1 1 0 1 0 1 0 1 0 0 0 0 1 1 1 1 1 1 1 1 0 1 1 1 1 1]
Actual:  [0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1]


MODEL EVALUATION:-

Accuracy:  0.7666666666666667
Recall:  0.8666666666666667
Precision:  0.7222222222222222
F1 score:  0.7878787878787877
Confusion Matrix:
 [[10  5]
 [ 2 13]]
```