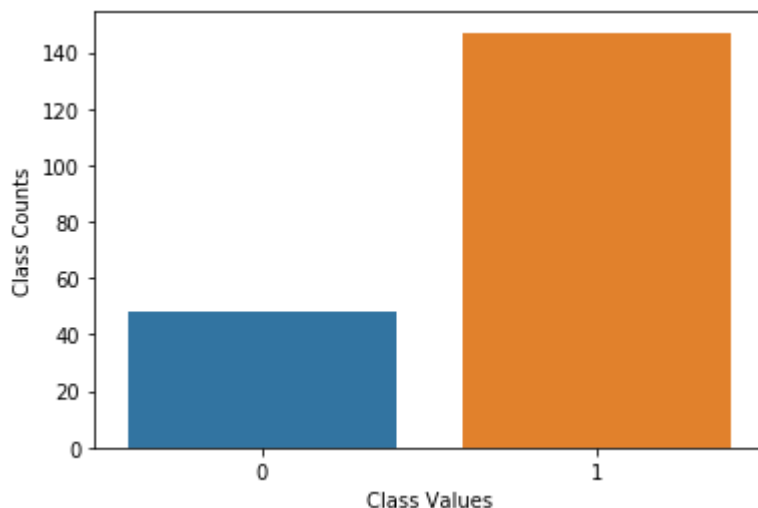


Python 3.7.4 (default, Aug 9 2019, 18:34:13) [MSC v.1915 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 7.8.0 -- An enhanced Interactive Python.

```
In [1]: runfile('C:/Users/hiiii/Desktop/UCM SPRING 2020/Artificial Intelligence/Project/  
Project_Progress_Mamta.py', wdir='C:/Users/hiiii/Desktop/UCM SPRING 2020/Artificial  
Intelligence/Project')
```

```
<class 'pandas.core.frame.DataFrame'>  
RangeIndex: 195 entries, 0 to 194  
Data columns (total 24 columns):  
name                195 non-null object  
MDVP:Fo(Hz)         195 non-null float64  
MDVP:Fhi(Hz)        195 non-null float64  
MDVP:Flo(Hz)        195 non-null float64  
MDVP:Jitter(%)      195 non-null float64  
MDVP:Jitter(Abs)    195 non-null float64  
MDVP:RAP            195 non-null float64  
MDVP:PPQ            195 non-null float64  
Jitter:DDP          195 non-null float64  
MDVP:Shimmer        195 non-null float64  
MDVP:Shimmer(dB)    195 non-null float64  
Shimmer:APQ3        195 non-null float64  
Shimmer:APQ5        195 non-null float64  
MDVP:APQ            195 non-null float64  
Shimmer:DDA         195 non-null float64  
NHR                 195 non-null float64  
HNR                 195 non-null float64  
status              195 non-null int64  
RPDE                195 non-null float64  
DFA                 195 non-null float64  
spread1             195 non-null float64  
spread2             195 non-null float64  
D2                  195 non-null float64  
PPE                 195 non-null float64  
dtypes: float64(22), int64(1), object(1)  
memory usage: 36.7+ KB
```



```
<class 'pandas.core.frame.DataFrame'>  
RangeIndex: 195 entries, 0 to 194  
Data columns (total 13 columns):  
spread1             195 non-null float64  
PPE                 195 non-null float64  
MDVP:Jitter(%)      195 non-null float64  
MDVP:Jitter(Abs)    195 non-null float64  
MDVP:RAP            195 non-null float64
```

```

MDVP:PPQ          195 non-null float64
Jitter:DDP        195 non-null float64
MDVP:Shimmer      195 non-null float64
MDVP:Shimmer(dB)  195 non-null float64
Shimmer:APQ3      195 non-null float64
Shimmer:APQ5      195 non-null float64
MDVP:APQ          195 non-null float64
Shimmer:DDA       195 non-null float64

```

dtypes: float64(13)

memory usage: 19.9 KB

Confusion matrix of Naive Bayer -----

```
[[13  0]
```

```
[19 27]]
```

Accuracy Score :

0.6779661016949152

Report :

	precision	recall	f1-score	support
0	0.41	1.00	0.58	13
1	1.00	0.59	0.74	46
accuracy			0.68	59
macro avg	0.70	0.79	0.66	59
weighted avg	0.87	0.68	0.70	59

Confusion matrix of KNN -----

```
[[11  2]
```

```
[ 2 44]]
```

Accuracy Score :

0.9322033898305084

Report :

	precision	recall	f1-score	support
0	0.85	0.85	0.85	13
1	0.96	0.96	0.96	46
accuracy			0.93	59
macro avg	0.90	0.90	0.90	59
weighted avg	0.93	0.93	0.93	59

Confusion matrix of SVM -----

```
[[ 9  4]
```

```
[ 1 45]]
```

Accuracy Score :

0.9152542372881356

Report :

	precision	recall	f1-score	support
0	0.90	0.69	0.78	13
1	0.92	0.98	0.95	46
accuracy			0.92	59
macro avg	0.91	0.84	0.86	59
weighted avg	0.91	0.92	0.91	59

Confusion matrix of Kernel SVM -----

```
[[ 9  4]
```

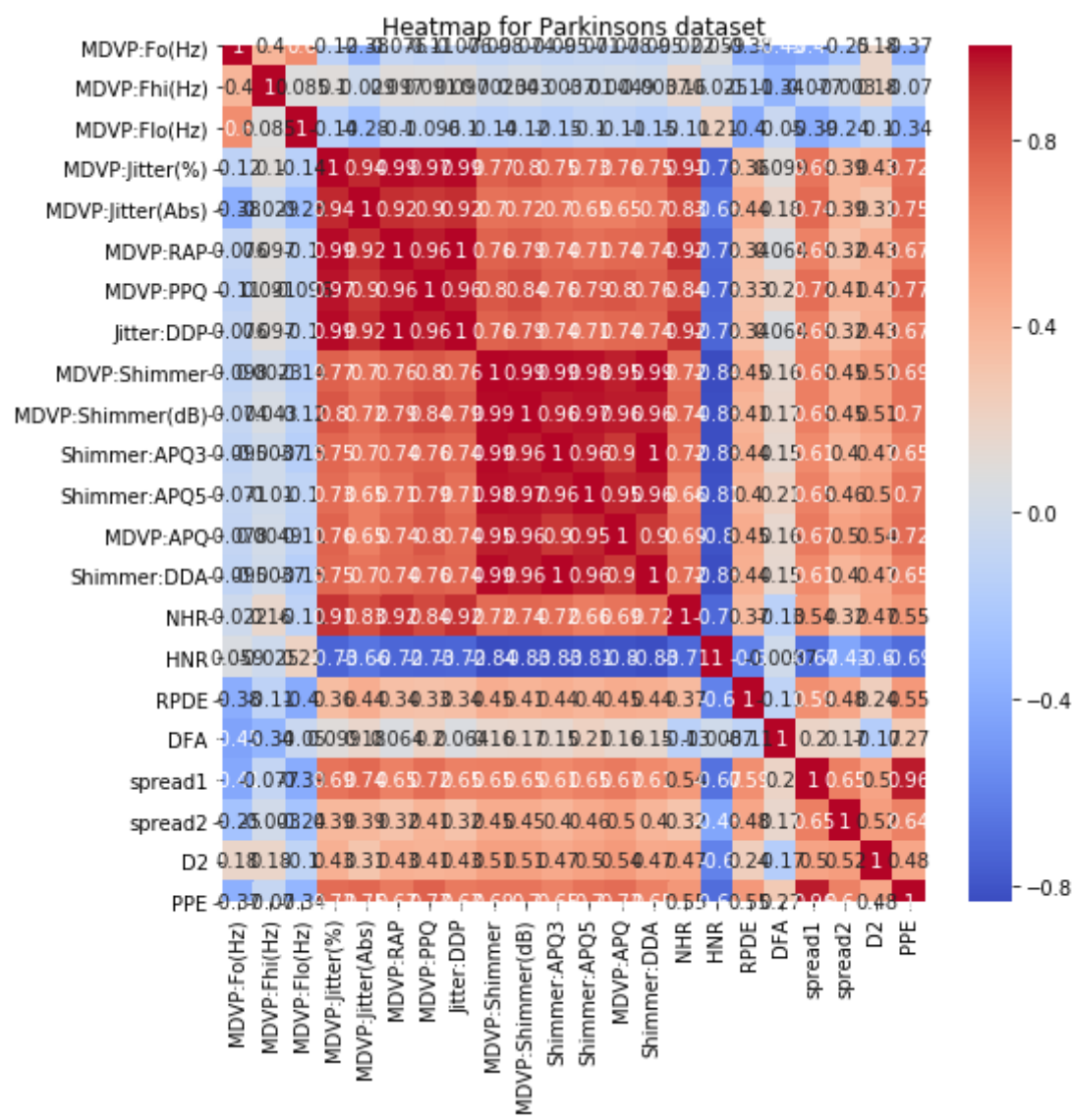
```
[ 1 45]]
```

Accuracy Score :

0.9152542372881356

Report :

	precision	recall	f1-score	support
0	0.90	0.69	0.78	13
1	0.92	0.98	0.95	46
accuracy			0.92	59
macro avg	0.91	0.84	0.86	59
weighted avg	0.91	0.92	0.91	59



In [2]: