SPRINT 1

Date	03 November 2022
Team ID	PNT2022TMID24730
Project Name	DETECTING PARKINSON'S DISEASE USING MACHINE LEARNING
Maximum Marks	4 Marks

1. Make necessary imports:

   - import numpy as np
   - import pandas as pd
   - import os, sys
   - from sklearn.preprocessing import MinMaxScaler
   - from xgboost import XGBClassifier
   - from sklearn.model_selection import train_test_split
   - from sklearn.metrics import accuracy_score

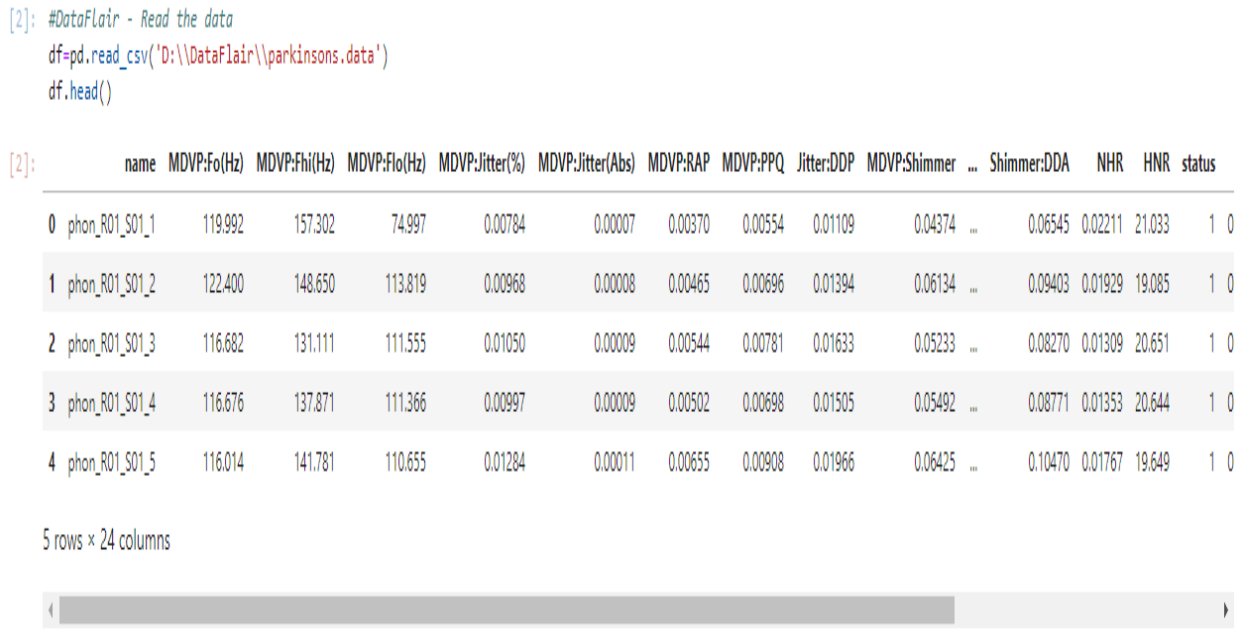
Screenshot:

```
[1]: #DataFlair - Make necessary imports
     import numpy as np
     import pandas as pd
     import os, sys
     from sklearn.preprocessing import MinMaxScaler
     from xgboost import XGBClassifier
     from sklearn.model_selection import train_test_split
     from sklearn.metrics import accuracy_score
```

2. Now, let's read the data into a DataFrame and get the first 5 records.

- #DataFlair - Read the data
- df=pd.read_csv('D:\\DataFlair\\parkinsons.data')
- df.head()

Output Screenshot:



```
[2]: #DataFlair - Read the data
     df=pd.read_csv('D:\\DataFlair\\parkinsons.data')
     df.head()
```

[2]:

	name	MDVP:Fo(Hz)	MDVP:Fhi(Hz)	MDVP:Flo(Hz)	MDVP:Jitter(%)	MDVP:Jitter(Abs)	MDVP:RAP	MDVP:PPQ	Jitter:DDP	MDVP:Shimmer	...	Shimmer:DDA	NHR	HNR	status	
0	phon_R01_S01_1	119.992	157.302	74.997	0.00784	0.00007	0.00370	0.00554	0.01109	0.04374	...	0.06545	0.02211	21.033	1	0
1	phon_R01_S01_2	122.400	148.650	113.819	0.00968	0.00008	0.00465	0.00696	0.01394	0.06134	...	0.09403	0.01929	19.085	1	0
2	phon_R01_S01_3	116.682	131.111	111.555	0.01050	0.00009	0.00544	0.00781	0.01633	0.05233	...	0.08270	0.01309	20.651	1	0
3	phon_R01_S01_4	116.676	137.871	111.366	0.00997	0.00009	0.00502	0.00698	0.01505	0.05492	...	0.08771	0.01353	20.644	1	0
4	phon_R01_S01_5	116.014	141.781	110.655	0.01284	0.00011	0.00655	0.00908	0.01966	0.06425	...	0.10470	0.01767	19.649	1	0

5 rows × 24 columns