xperiment-no-1-data-acquisition-1

November 2, 2023

1 Data Acquisition

Data Acquisition = Data Read

[1]:
```
#Exp no.:1
```

[2]:
```
#Aim: To perform operation on Data Acquisition
```

[3]:
```
#Name: Mandar Satpute
#Roll no.: 54
#Sec: B
#Subject: Data Science and Statistics (Lab 1)
#Date: 25/07/2023
```

[4]:
```
#importing the basic library
import pandas as pd
```

[5]:
```
import os
```

[6]:
```
os.getcwd()
```

[6]:
```
'C:\\Users\\hp\\Downloads'
```

[7]:
```
os.chdir('C:\\Users\\hp\\Desktop')
```

[8]:
```
data=pd.read_csv("diabetes.csv")
```

[9]:
```
data.head()
```

[9]:

	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	\
0	6	148	72	35	0	33.6	
1	1	85	66	29	0	26.6	
2	8	183	64	0	0	23.3	
3	1	89	66	23	94	28.1	
4	0	137	40	35	168	43.1	

	DiabetesPedigreeFunction	Age	Outcome
0	0.627	50	1

```
1                       0.351   31        0
2                       0.672   32        1
3                       0.167   21        0
4                       2.288   33        1
```

[10]:
```
data.tail()
```

[10]:
```
     Pregnancies  Glucose  BloodPressure  SkinThickness  Insulin   BMI  \
763           10      101             76             48      180  32.9
764            2      122             70             27        0  36.8
765            5      121             72             23      112  26.2
766            1      126             60              0        0  30.1
767            1       93             70             31        0  30.4

     DiabetesPedigreeFunction  Age  Outcome
763                     0.171   63        0
764                     0.340   27        0
765                     0.245   30        0
766                     0.349   47        1
767                     0.315   23        0
```

[11]:
```
data.head(12)
```

[11]:
```
    Pregnancies  Glucose  BloodPressure  SkinThickness  Insulin   BMI  \
0             6      148             72             35        0  33.6
1             1       85             66             29        0  26.6
2             8      183             64              0        0  23.3
3             1       89             66             23       94  28.1
4             0      137             40             35      168  43.1
5             5      116             74              0        0  25.6
6             3       78             50             32       88  31.0
7            10      115              0              0        0  35.3
8             2      197             70             45      543  30.5
9             8      125             96              0        0   0.0
10            4      110             92              0        0  37.6
11           10      168             74              0        0  38.0

    DiabetesPedigreeFunction  Age  Outcome
0                      0.627   50        1
1                      0.351   31        0
2                      0.672   32        1
3                      0.167   21        0
4                      2.288   33        1
5                      0.201   30        0
6                      0.248   26        1
7                      0.134   29        0
8                      0.158   53        1
```

9	0.232	54	1
10	0.191	30	0
11	0.537	34	1