Data Acquisition

Data Acquisition = Data Read

```
#Exp no.:1

#Aim: To perform operation on Data Acquisition

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#Subject: Data Science and Statistics (Lab 1)
#Date: 25/07/2023

#importing the basic library
import pandas as pd

import os

os.getcwd()
```

```
'C:\\Users\\hp\\Downloads'
```

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

data=pd.read_csv("diabetes.csv")

data.head()
```

```
   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
```

```
data.tail()
```

```
     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
```

```
data.head(12)
```

```
    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