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In [1]: # Experiment No: 2
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In [2]: # Aim: Data Acquisition using Pandas
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In [3]: # Name: Sakshi Padmakar Yeole
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In [4]: # Class: 3rd year(B)
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In [5]: # Roll No: 69
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In [6]: # Date: 13th July 2024
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In [7]: # importing the basic library.  
import pandas as pd
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In [8]: import os
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In [9]: os.getcwd()
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Out[9]: 'C:\\Users\\hp'
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In [10]: os.chdir('C:\\Users\\hp\\OneDrive\\Desktop')
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In [11]: df=pd.read_csv("diabetes.csv")
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In [12]: df.head(10)
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Out[12]:
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	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	DiabetesPedigreeFunction	Age	Outcome
0	6	148	72	35	0	33.6	0.627	50	1
1	1	85	66	29	0	26.6	0.351	31	0
2	8	183	64	0	0	23.3	0.672	32	1
3	1	89	66	23	94	28.1	0.167	21	0
4	0	137	40	35	168	43.1	2.288	33	1
5	5	116	74	0	0	25.6	0.201	30	0
6	3	78	50	32	88	31.0	0.248	26	1
7	10	115	0	0	0	35.3	0.134	29	0
8	2	197	70	45	543	30.5	0.158	53	1
9	8	125	96	0	0	0.0	0.232	54	1

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In [13]: df.tail()
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Out[13]:
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	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	DiabetesPedigreeFunction	Age	Outcome
763	10	101	76	48	180	32.9	0.171	63	0
764	2	122	70	27	0	36.8	0.340	27	0
765	5	121	72	23	112	26.2	0.245	30	0
766	1	126	60	0	0	30.1	0.349	47	1
767	1	93	70	31	0	30.4	0.315	23	0

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In [14]: df.shape
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Out[14]: (768, 9)
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In [15]: df.size
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Out[15]: 6912
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In [16]: df.ndim
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Out[16]: 2
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In [17]: df.columns
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```
Out[17]: Index(['Pregnancies', 'Glucose', 'BloodPressure', 'SkinThickness', 'Insulin',  
               'BMI', 'DiabetesPedigreeFunction', 'Age', 'Outcome'],  
              dtype='object')
```

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In [ ]:
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