

DATA ACQUISITION

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In [2]: #Name : Shreya Sharma
#Roll no. : 46
#Sectin : 3B
#Date : 13/07/2024
```

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In [4]: #Aim : Perform operation on Data Acquisition using pandas
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```
In [18]: import pandas as pd
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```
In [1]: a=("shreya")
print(a)

shreya
```

```
In [3]: len(a)
```

Out[3]: 6

```
In [5]: type(a)
```

Out[5]: str

```
In [20]: import os
```

```
In [22]: os.getcwd()
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Out[22]: 'C:\\Users\\pravi'

```
In [24]: os.chdir('C:\\Users\\pravi\\Desktop')
```

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In [26]: df=pd.read_csv("diabetes.csv")
```

```
In [28]: df.head()
```

Out[28]:

	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

```
In [30]: df.head(100)
```

Out[30]:

	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
...
95	6	144	72	27	228	33.9	0.255	40	0
96	2	92	62	28	0	31.6	0.130	24	0
97	1	71	48	18	76	20.4	0.323	22	0
98	6	93	50	30	64	28.7	0.356	23	0
99	1	122	90	51	220	49.7	0.325	31	1

100 rows × 9 columns

```
In [32]: df.tail()
```

Out[32]:

	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