

## SHREE SANKET - 1BM22CS261

LAB-00

### TO- DO 1

Method 1:

Initializing values directly into DataFrame

Insert your know values, five rows of data with column headings as “USN, Name, Marks”

Sample data:

	USN	Name	Marks
0	1BM22CS271	Alice	85
1	1BM22CS890	Bob	90
2	1BM22CS453	Charlie	95
3	1BM22CS078	David	92
4	1BM22CS450	Jon	82

**Method-2:** Importing datasets from sklearn.datasets

Loading diabetes datasets `sklearn.datasets.load_diabetes`

Sample data:

	age	sex	bmi	bp	s1	s2	s3 \
0	0.038076	0.050680	0.061696	0.021872	-0.044223	-0.034821	-0.043401
1	-0.001882	-0.044642	-0.051474	-0.026328	-0.008449	-0.019163	0.074412
2	0.085299	0.050680	0.044451	-0.005670	-0.045599	-0.034194	-0.032356
3	-0.089063	-0.044642	-0.011595	-0.036656	0.012191	0.024991	-0.036038
4	0.005383	-0.044642	-0.036385	0.021872	0.003935	0.015596	0.008142

  

	s4	s5	s6	target
0	-0.002592	0.019907	-0.017646	151.0
1	-0.039493	-0.068332	-0.092204	75.0
2	-0.002592	0.002861	-0.025930	141.0
3	0.034309	0.022688	-0.009362	206.0
4	-0.002592	-0.031988	-0.046641	135.0

**Method-3:** Importing datasets from a specific .csv file

`sample_sales_data.csv`

```

Sample data:
  Product  Quantity  Price  Sales  Region
0  Laptop         5   1000   5000  North
1  Mouse        15    20    300   West
2  Keyboard     10    50    500   East
3  Monitor       8   200   1600  South
4  Laptop       12   950  11400  North

```

**Method-4:** Downloading datasets from existing dataset repositories like Kaggle, UCI, Mendely, KEEL, etc.

Download diabetes datasets from Mendely using above link

```

Sample data:
  ID  No_Pation  Gender  AGE  Urea  Cr  HbA1c  Chol  TG  HDL  LDL  VLDL  \
0  502        17975    F   50   4.7  46   4.9   4.2  0.9  2.4  1.4  0.5
1  735        34221    M   26   4.5  62   4.9   3.7  1.4  1.1  2.1  0.6
2  420        47975    F   50   4.7  46   4.9   4.2  0.9  2.4  1.4  0.5
3  680        87656    F   50   4.7  46   4.9   4.2  0.9  2.4  1.4  0.5
4  504        34223    M   33   7.1  46   4.9   4.9  1.0  0.8  2.0  0.4

  BMI  CLASS
0  24.0    N
1  23.0    N
2  24.0    N
3  24.0    N
4  21.0    N

```

## TO-DO 2

Using the code given in the above slides, do the exercise of the “Stock Market Data Analysis”, considering the following

1. HDFC Bank Ltd. , ICICI Bank Ltd , Kotak Mahindra Bank Ltd.

`tickers = ["HDFCBANK.NS", "ICICIBANK.NS", "KOTAKBANK.NS"]`

2. Start date: 2024-01-01, End date: 2024-12-30

3. Plot the closing price and daily returns for all the three banks mentioned.

