

To-Do - 1

(i) Initializing values directly into DataFrame

```
import pandas as pd
```

```
data = {
```

```
    'USN': ['001', '002', '003', '004', '005'],
```

```
    'Name': ['Alice', 'Bob', 'Charlie', 'David', 'Eve'],
```

```
    'Marks': [25, 30, 35, 40, 45],
```

```
df = pd.DataFrame(data)
```

```
print("Sample Data:")
```

```
print(df.head())
```

(ii) Importing datasets from sklearn datasets

```
from sklearn.datasets import load_diabetes
```

```
import pandas as pd
```

```
diabetes = load_diabetes()
```

```
df = pd.DataFrame(diabetes.data, columns=
```

```
    diabetes.feature_names)
```

```
df['target'] = diabetes.target
```

```
print(df.head())
```

(iii) Importing datasets from a specific .csv file

```
file_path = 'Dataset of Diabetes.csv'
```

```
df = pd.read_csv(file_path)
```

```
print(df.head())
```

(iv) Downloading datasets from existing dataset repositories like Kaggle, UCI -


```
df = pd.read_csv ('/ Dataset of Diabetes .csv')
print ("Sample data")
print (df.head())
```

To-Do-2

```
* import yfinance as yf
import pandas as pd
import matplotlib.pyplot as plt
```

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

```
start_date = "2024-01-01"
```

```
end_date = "2024-12-30"
```

```
data = yf.download (tickers, start = start_date,
                    end = end_date, group_by = 'ticker')
```

```
for ticker in tickers:
```

```
    stock_data = data [ticker]
```

```
    stock_data = ['Daily Return'] = stock_data
    ['close'], pct_change()
```

```
    plt.figure (fig_size (12, 6))
```

```
    plt.subplot (2, 1, 1)
```

```
    stock_data ['close'].plot (title = f"{ticker} -
    Closing Price")
```

```
    plt.ylabel ("Price (INR)")
```

```
    plt.subplot (2, 1, 2)
```

```
    stock_data ['Daily Return'].plot (title = f
    "{ticker} - Daily Returns", color = 'orange')
```

```
    plt.ylabel ("Daily Return")
```

```
    plt.tight_layout()
```

```
    plt.show()
```