Lab-0

→ Method 1

```
import pandas as pd
data = {
        'Name': ['Alice', 'Bob', 'Charlie', 'David']
        'USN': [1,2,3,4]
        'Marks': [94, 98, 79, 82]
    }
df = pd.DataFrame(data)
print(df.head())
```

→ Method 2

```
from sklearn.dataset import load_diabetes
diabetes = load_diabetes()
df = pd.DataFrame(diabetes.data, columns =
        diabetes.feature_names)
df['target'] = diabetes.target
print(df.head())
```

→ Method 3

```
df = pd.read_csv('/content/sample_sales_data.csv')
df.head()
```

→ Method 4

```
df = pd.read_csv('/content/Dataset of diabetes.csv')
df.head()
```

```
import yfinance as yf
import pandas as pd
import matplotlib.pyplot as plt
tickers = ['HDFCBANK.NS', 'ICICIBANK.NS',
           'KOTAKBANK.NS']
data = yf.download(tickers, start="2024-01-01",
     end='2024-12-30', group_by='ticker')
print(data.head())

print("\n Shape of the dataset:")
print(data.shape)
print("\n column names:")
print(data.columns)

hdfc_data = data['HDFCBANK.NS']
print('summary')
print(hdfc_data.describe())
hdfc_data['Daily Return'] = hdfc_data['close'].
                            pct_change()

plt.figure(figsize=(12,6))
plt.subplot(2,1,1)
hdfc_data['close'].plot(title="HDFC - closing
                              price")

plt.subplot(2,1,2)
hdfc_data['Daily Return'].plot(title="HDFC-
                    Daily return", color='orange')
plt.tight_layout()
plt.show()
```