

# Method - 1: Initializing values directly into dataframe

```
import pandas as pd
```

```
data = {
```

```
    'Name': ['A', 'B', 'C'],
```

```
    'Age': [25, 30, 27],
```

```
    'City': ['NY', 'LA', 'WS']
```

```
}
```

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

```
df.head()
```

Output:

Name	Age	City
Alice	25	NY
Bob	30	LA
Charlie	27	WS

# Method - 2: Importing datasets from sklearn datasets

```
from sklearn.datasets import load_iris
```

```
iris = load_iris()
```

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

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



sample

sepal length	width	petal length	width
5.1	3.5	1.4	0.2
4.9	3.0	1.4	0.2
4.7	3.2	1.3	0.2
4.6	3.1	1.5	0.2
5.0	3.6	1.4	0.2

# method - 3 : Importing datasets from a specific file (.csv)

```
df = pd.read_csv('students.csv')  
df.head()
```

output

	Name	Sex	Marks
0	A	F	95
1	B	M	96
2	C	F	100

# method - 4 : Downloading datasets from a existing repository

```
df = pd.read_csv('openpowerlifting.csv')  
df.head()
```

output



	Name	Sex	Equipment	Age
0	A	F	Raw	20
1	B	F	Raw	30
2	C	M	Wraps	40
3	D	M	Wraps	35

### Importing Stock market Data

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

```
tickers = ["Reliance.NS", "TCS.NS",
            "INFY.NS"]
```

```
data = yf.download(tickers, start
                    = "2022-10-01", end = "2023-10-01")
```

```
data.head()
```

```
print(data.shape)
```

```
reliance_data = data['RELANCE.NS']
```

```
print(reliance_data.describe())
```

# plot the closing price and daily return

```
plt.figure(figsize=(12,6))
```

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

```
reliance_data['Close'].plot(title="R")
```

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

```
plt.show()
```