

In [ ]: *#Reading CSV files*

In [1]: **!pip install pandas**

```
Requirement already satisfied: pandas in c:\users\priya\appdata\local\programs\python\python312\lib\site-packages (2.2.3)
Requirement already satisfied: numpy>=1.26.0 in c:\users\priya\appdata\local\programs\python\python312\lib\site-packages (from pandas) (2.1.2)
Requirement already satisfied: python-dateutil>=2.8.2 in c:\users\priya\appdata\local\programs\python\python312\lib\site-packages (from pandas) (2.9.0.post0)
Requirement already satisfied: pytz>=2020.1 in c:\users\priya\appdata\local\programs\python\python312\lib\site-packages (from pandas) (2024.2)
Requirement already satisfied: tzdata>=2022.7 in c:\users\priya\appdata\local\programs\python\python312\lib\site-packages (from pandas) (2024.2)
Requirement already satisfied: six>=1.5 in c:\users\priya\appdata\local\programs\python\python312\lib\site-packages (from python-dateutil>=2.8.2->pandas) (1.16.0)
```

In [2]: *#Basic Reading of a CSV File into a Pandas DataFrame*

```
import pandas as pd

# Read CSV file
df = pd.read_csv("Customers.csv")
# Display the first few rows of the DataFrame
print(df.head())
```

	CustomerID	FirstName	LastName	Email	BirthDate
0	1	John	Doe	johndoe22@example.com	1990-01-01
1	2	Aniket	Gaikwad	aniket14@example.com	1994-01-01
2	3	Mayur	Lasurkar	mayur13@example.com	1995-01-21
3	4	Sid	Patil	sid11@example.com	1995-01-11
4	5	Priyanka	Thatha	priyanka21@example.com	1993-01-01

In [3]: *# Specify a Different Delimiter*

```
# Read CSV with a different delimiter (e.g., semicolon)

df = pd.read_csv("Customers.csv", delimiter=';')
print(df.head())
```

	CustomerID,FirstName,LastName,Email,BirthDate
0	1,John,Doe,johndoe22@example.com,1990-01-01
1	2,Aniket,Gaikwad,aniket14@example.com,1994-01-01
2	3,Mayur,Lasurkar,mayur13@example.com,1995-01-21
3	4,Sid,Patil,sid11@example.com,1995-01-11
4	5,Priyanka,Thatha,priyanka21@example.com,1993-...

In [4]: *#Handling Missing Values*

```
# Drop rows with missing values

df = pd.read_csv("Customers.csv").dropna()
print(df.head())
```

	CustomerID	FirstName	LastName	Email	BirthDate
0	1	John	Doe	johndoe22@example.com	1990-01-01
1	2	Aniket	Gaikwad	aniket14@example.com	1994-01-01
2	3	Mayur	Lasurkar	mayur13@example.com	1995-01-21
3	4	Sid	Patil	sid11@example.com	1995-01-11
4	5	Priyanka	Thatha	priyanka21@example.com	1993-01-01

In [5]: *#Selecting Specific Columns*

*# Read only specific columns (e.g., 'FirstName', 'Email')*

```
df = pd.read_csv("Customers.csv", usecols=["FirstName", "Email"])
print(df.head())
```

	FirstName	Email
0	John	johndoe22@example.com
1	Aniket	aniket14@example.com
2	Mayur	mayur13@example.com
3	Sid	sid11@example.com
4	Priyanka	priyanka21@example.com

In [6]: *#Skip Rows While Reading*

*# Skip the first row*

```
df = pd.read_csv("Customers.csv", skiprows=1)
print(df.head())
```

1	John	Doe	johndoe22@example.com	1990-01-01
0	2	Aniket	Gaikwad	aniket14@example.com
1	3	Mayur	Lasurkar	mayur13@example.com
2	4	Sid	Patil	sid11@example.com
3	5	Priyanka	Thatha	priyanka21@example.com

In [ ]: