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import pandas as pd

data = {
    "Name": ["Alan", "Charu", "Dhanya", "Sara"],
    "Age": [24, 27, 22, 32],
    "Dept": ["HR", "Finance", "IT", "Admin"],
    "Salary": [40000, 50000, 45000, 52000]
}

df = pd.DataFrame(data)

df.to_excel("Data.xlsx", index=False)
df.to_csv("Data.csv", index=False)
df_excel = pd.read_excel("Data.xlsx")
print("Excel Data:\n", df_excel)

print("\nNames Column:\n", df_excel["Name"])
print("\nFirst two rows:\n", df_excel.iloc[:2])

data_new = {
    "Name": ["Eve", "Fahad"],
    "Age": [29, 35],
    "Department": ["Marketing", "Sales"],
    "Salary": [47000, 55000]
}
df_new = pd.DataFrame(data_new)
df_new.to_excel("NewData.xlsx", index=False)

df_second = pd.read_excel("NewData.xlsx")

m_df = df_excel.merge(df_second)

m_df.to_excel("MergedData.xlsx", index=False)
print("\nMerged Data:\n", m_df)

sorted_df = m_df.sort_values(by="Salary", ascending=False)

sorted_df.to_excel("SortedEmployeeData.xlsx", index=False)
print("\nSorted Data by Salary:\n", sorted_df)

```



Excel Data:

	Name	Age	Dept	Salary
0	Alan	24	HR	40000
1	Charu	27	Finance	50000
2	Dhanya	22	IT	45000
3	Sara	32	Admin	52000

Names Column:

0	Alan
1	Charu
2	Dhanya
3	Sara

Name: Name, dtype: object

First two rows:

	Name	Age	Dept	Salary
0	Alan	24	HR	40000
1	Charu	27	Finance	50000

Merged Data:

Empty DataFrame

Columns: [Name, Age, Dept, Salary, Department]

Index: []

Sorted Data by Salary:

Empty DataFrame

Columns: [Name, Age, Dept, Salary, Department]

Index: []

