43. Data Cleaning and Transformation

Task:

• a) Load the employee\_data.csv file into a Pandas DataFrame. The file contains the columns:

Employee ID, Full Name, Department, and Salary.

• b) Convert the Salary column to a numeric data type.

• c) Remove any rows where the Department column has missing values.

• d) Create a new column named First Name that extracts the first name from the Full Name column.

CODE:

import pandas as pd

employee\_df = pd.read\_csv("employee\_data.csv")

employee\_df['Salary'] = pd.to\_numeric(employee\_df['Salary'].replace('[\$,]', '', regex=True), errors='coerce')

employee\_df = employee\_df.dropna(subset=["Department"])

employee\_df['First Name'] = employee\_df['Full Name'].str.split().str[0]

print(employee\_df.head())

OUTPUT:

