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import pandas as pd
# Load the Data
data = pd.read_csv('sales_data.csv')
sales = pd.DataFrame(data)

data = pd.read_csv('employee_data.csv')
emp = pd.DataFrame(data)
#Clean Sales Data
sales['SalesAmount'] = sales['SalesAmount'].replace({r'\$': '', ',': ''}, regex=True).astype(float)
sales['SalesAmount']=pd.to_numeric(sales['SalesAmount'], errors= 'coerce')
sales['SalesAmount'].dtype

sales['PurchaseDate'] = pd.to_datetime(sales['PurchaseDate'], errors='coerce')

sales.fillna({'PurchaseDate': 'NaT'}, inplace=True)
print(sales.dtypes)

#Clean employee Data
emp['Salary'] = emp['Salary'].replace({r'\$': '', ',': ''}, regex=True).astype(int)
emp['Salary'].dtype
emp['Salary']=pd.to_numeric(emp['Salary'], errors= 'coerce')
emp['SupervisorID']=pd.to_numeric(emp['SupervisorID'], errors= 'coerce')
emp.fillna({'SupervisorID': 0}, inplace=True)
emp['SupervisorID'] = emp['SupervisorID'].astype(int)

print(emp)
print(emp.dtypes)
#Save Cleaned Data
task_cleaned_data = emp.copy()
task_cleaned_data.to_csv('emp.csv', index=False)

task_cleaned_data = sales.copy()
task_cleaned_data.to_csv('sales.csv', index=False)

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