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import pandas as pd
df = pd.read_csv(r'C:\Users\91637\OneDrive\Desktop\sev\sale.csv')
df['Total Sales'] = df['Quantity Sold'] * df['Unit Price']
product_sales = df.groupby('Product').agg({'Total Sales': 'sum'}).reset_index()
product_sales['Profit'] = product_sales['Total Sales'] * 0.20
overall_profit = product_sales['Profit'].sum()
top_products = product_sales.nlargest(5, 'Profit')
print("Total Sales per Product:")
print(product_sales.sort_values('Total Sales', ascending=False).to_string(index=False))
print(f"\nOverall Company Profit: ${overall_profit:,.2f}")
print("\nTop 5 Profitable Products:")
print(top_products[['Product', 'Profit']].to_string(index=False))

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Total Sales per Product:

Product	Total Sales	Profit
Phone	4800	960.0
Laptop	3000	600.0
Tablet	900	180.0
Monitor	800	160.0
Headphones	600	120.0

Overall Company Profit: \$2,020.00

Top 5 Profitable Products:

Product	Profit
Phone	960.0
Laptop	600.0
Tablet	180.0
Monitor	160.0
Headphones	120.0