

Distribution of Amir's Sales

Question:

Create a histogram with 10 bins to visualize the distribution of the amount. Show the plot.

Explanation of the Question:

This task requires generating a histogram using a DataFrame's 'amount' column. The histogram will divide data into 10 bins, each representing a range of values, to visualize the frequency distribution of the sales amounts.

Answer:

```
import matplotlib.pyplot as plt
import pandas as pd

# Assuming amir_deals is your DataFrame
amir_deals = pd.DataFrame({
    'amount': [200, 450, 300, 150, 500, 320, 400, 380, 410, 450, 330, 200]
})

# Create a histogram of the 'amount' column with 10 bins
amir_deals['amount'].hist(bins=10)

# Display the plot
plt.show()
```

Explanation of the Answer:

The code uses pandas' built-in `hist` method for quick histogram creation. The 'amount' column is plotted, divided into 10 bins. The `plt.show()` command ensures the histogram is displayed. This method is efficient for visualizing data distributions directly from a DataFrame.