# 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.