**#Task 3 : Visualization using Histogram**

**#Create a histogram or bar chart to visualize the distribution of data in a dataset**

import matplotlib.pyplot as plt

import pandas as pd

data = pd.read\_csv(r"C:\Users\VAISHNAVI\Documents\Iris.csv")

# Creating separate subplots for each histogram

fig, axs = plt.subplots(2, 2, figsize=(10, 8))

# Plotting histograms with different colors for each column

colors = ['cyan', 'green', 'orange', 'red']

columns = ['SepalLengthCm', 'SepalWidthCm', 'PetalWidthCm', 'PetalLengthCm']

for i, column in enumerate(columns):

ax = axs[i // 2, i % 2] # Get the axis for the subplot

data[column].plot.hist(ax=ax, bins=10, color=colors[i])

ax.set\_title(column)

ax.set\_xlabel(column)

ax.set\_ylabel('Frequency')

plt.tight\_layout()

plt.show()

**OUTPUT:**

