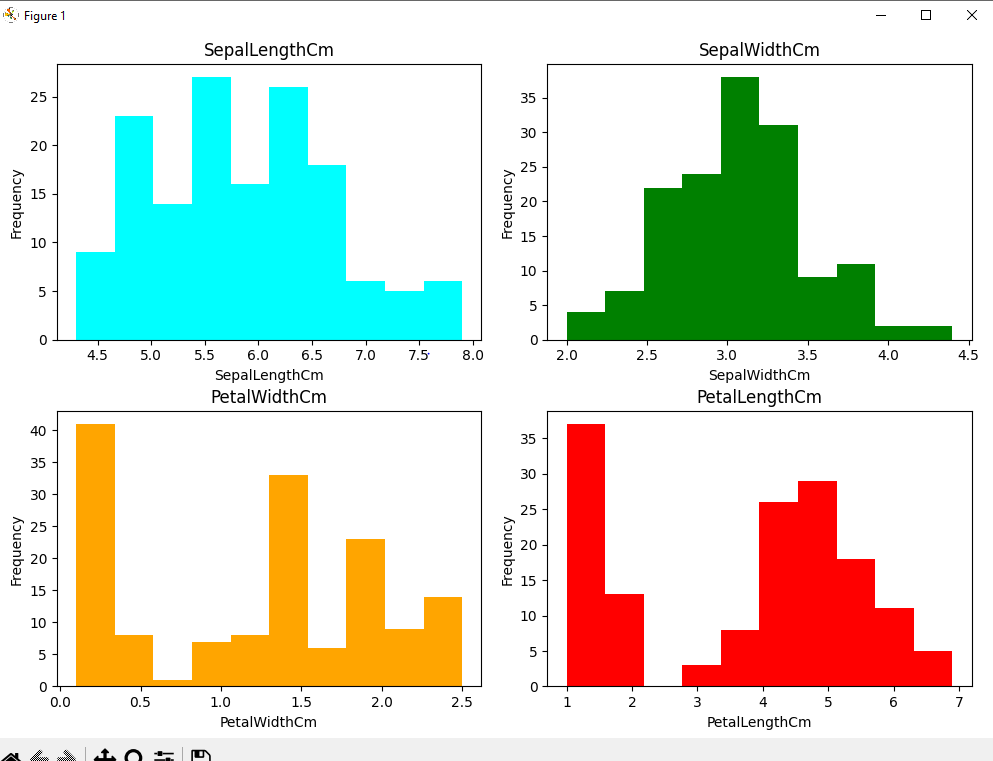
**Task 3:-** **Visualization using Histogram**

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

**Code**:-

import matplotlib.pyplot as plt  
import pandas as pd  
data = pd.read\_csv(r"C:\Users\HP\Desktop\bvkcoek\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:-**

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