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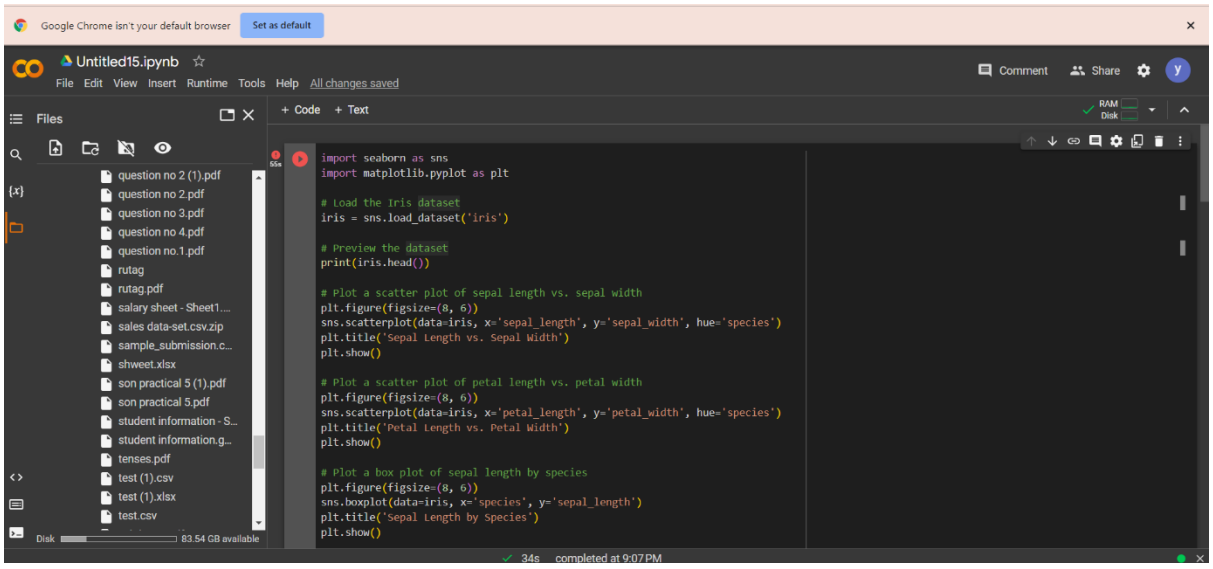
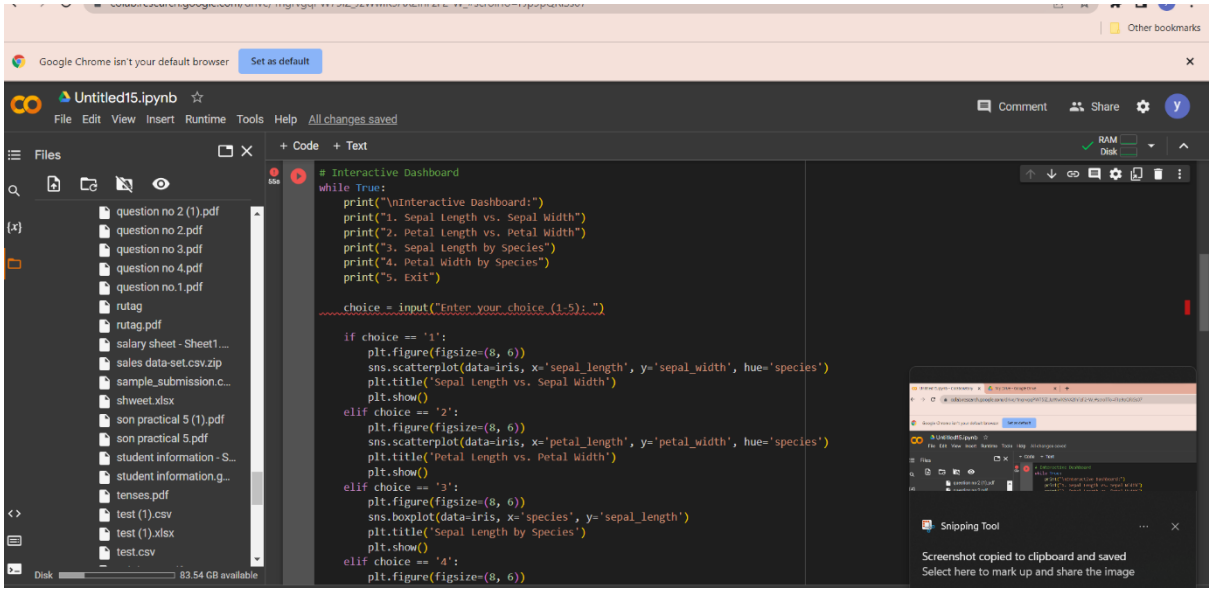
DIV : G4

Problem Statement:

Select any one real-life dataset. Perform data analysis. Identify 10 grains for a given dataset. Develop an interactive dashboard using the matplotlib/Seaborn library.

Code:

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question no 2 (1).pdf
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salary sheet - Sheet1....
sales data-set.csv.zip
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test (1).csv
test (1).xlsx
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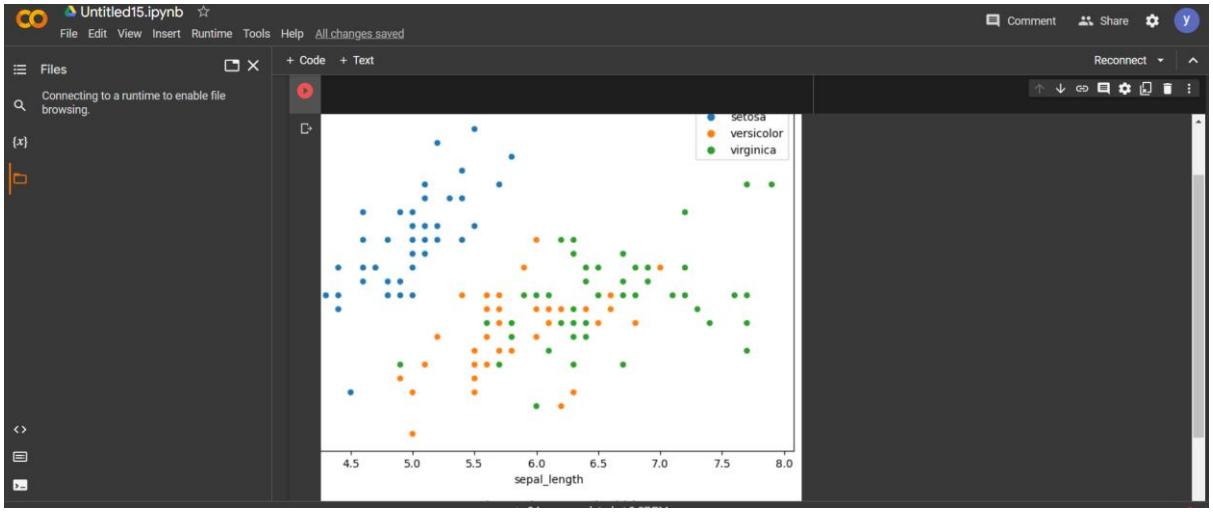
Disk 83.54 GB available
# Interactive Dashboard
while True:
print("\nInteractive Dashboard:")
print("1. Sepal Length vs. Sepal Width")
print("2. Petal Length vs. Petal Width")
print("3. Sepal Length by Species")
print("4. Petal Width by Species")
print("5. Exit")
choice = input("Enter your choice (1-5): ")
if choice == '1':
plt.figure(figsize=(8, 6))
sns.scatterplot(data=iris, x='sepal_length', y='sepal_width', hue='species')
plt.title('Sepal Length vs. Sepal Width')
plt.show()
elif choice == '2':
plt.figure(figsize=(8, 6))
sns.scatterplot(data=iris, x='petal_length', y='petal_width', hue='species')
plt.title('Petal Length vs. Petal Width')
plt.show()
elif choice == '3':
plt.figure(figsize=(8, 6))
sns.boxplot(data=iris, x='species', y='sepal_length')
plt.title('Sepal Length by Species')
plt.show()
elif choice == '4':
plt.figure(figsize=(8, 6))
Snipping Tool
Screenshot copied to clipboard and saved
Select here to mark up and share the image

OUTPUT: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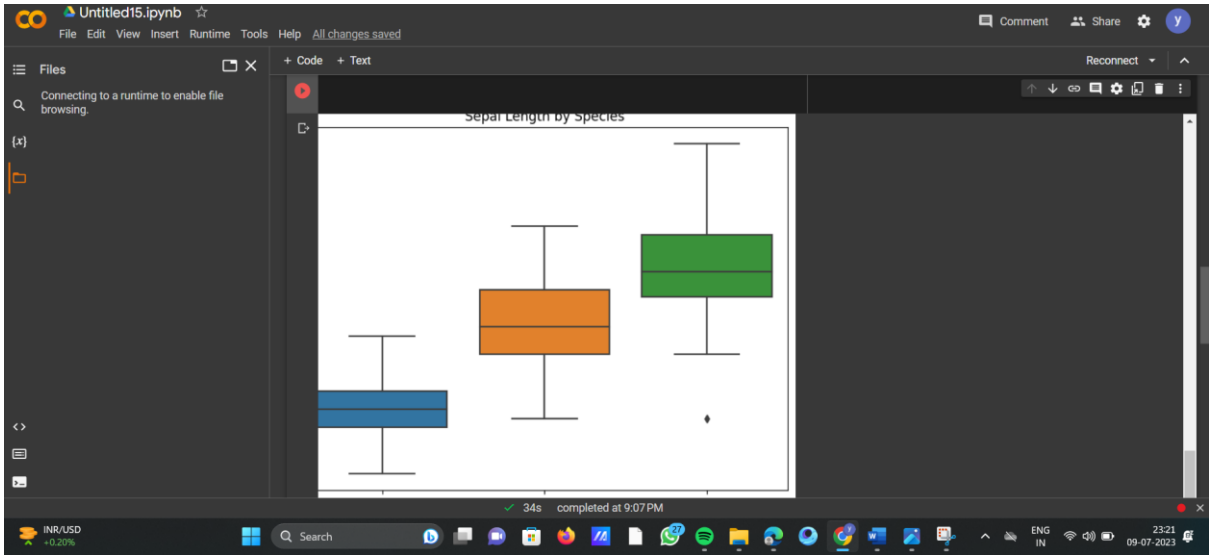
sepal_length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Sepal Length by Species
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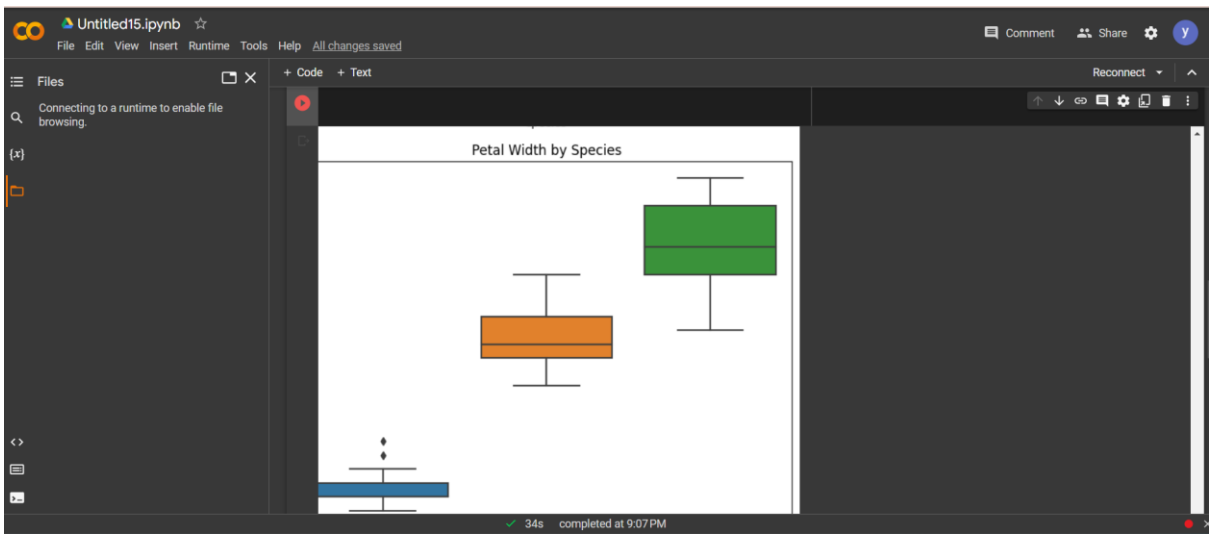
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Reconnect
Petal Width by Species
34s completed at 9:07 PM