PRACTICAL 10

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

# Load the dataset
df = pd.read_csv("iris.csv")

# Drop the "Id" column since it's not useful for visualization
df = df.drop(columns=["Id"], errors="ignore")

# Display first few rows
print(df.head())

# 1. List Features and Their Types
print("\nFeature Types:")
print(df.dtypes)

# 2. Create Histograms for Each Feature
numeric_features = df.select_dtypes(include=['float64', 'int64']).columns

plt.figure(figsize=(12, 8))
for i, feature in enumerate(numeric_features, 1):
    plt.subplot(2, 3, i)  # Adjusting for all features
    plt.hist(df[feature], bins=20, color='skyblue', edgecolor='black')
    plt.title(f'Histogram of {feature}')

plt.tight_layout()
plt.show()

# 3. Create Boxplots for Each Feature
plt.figure(figsize=(12, 8))
for i, feature in enumerate(numeric_features, 1):
    plt.subplot(2, 3, i)  # Adjusting for all features
    sns.boxplot(y=df[feature], color='lightblue')
    plt.title(f'Boxplot of {feature}')

plt.tight_layout()
plt.show()
```

OUTPUT: