

```

import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
import warnings
warnings.filterwarnings("ignore", category=FutureWarning)
warnings.filterwarnings("ignore", category=UserWarning)
df=pd.read_csv('/kaggle/input/irissss/Iris.csv')
df.head()

```

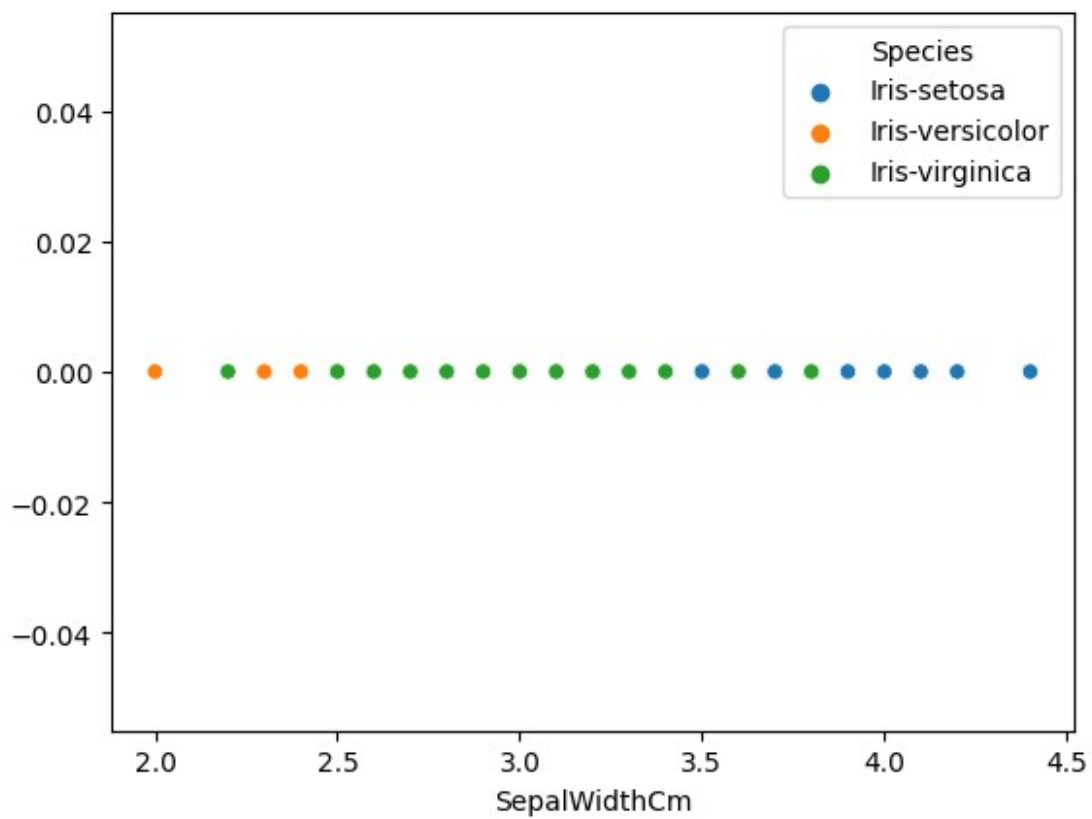
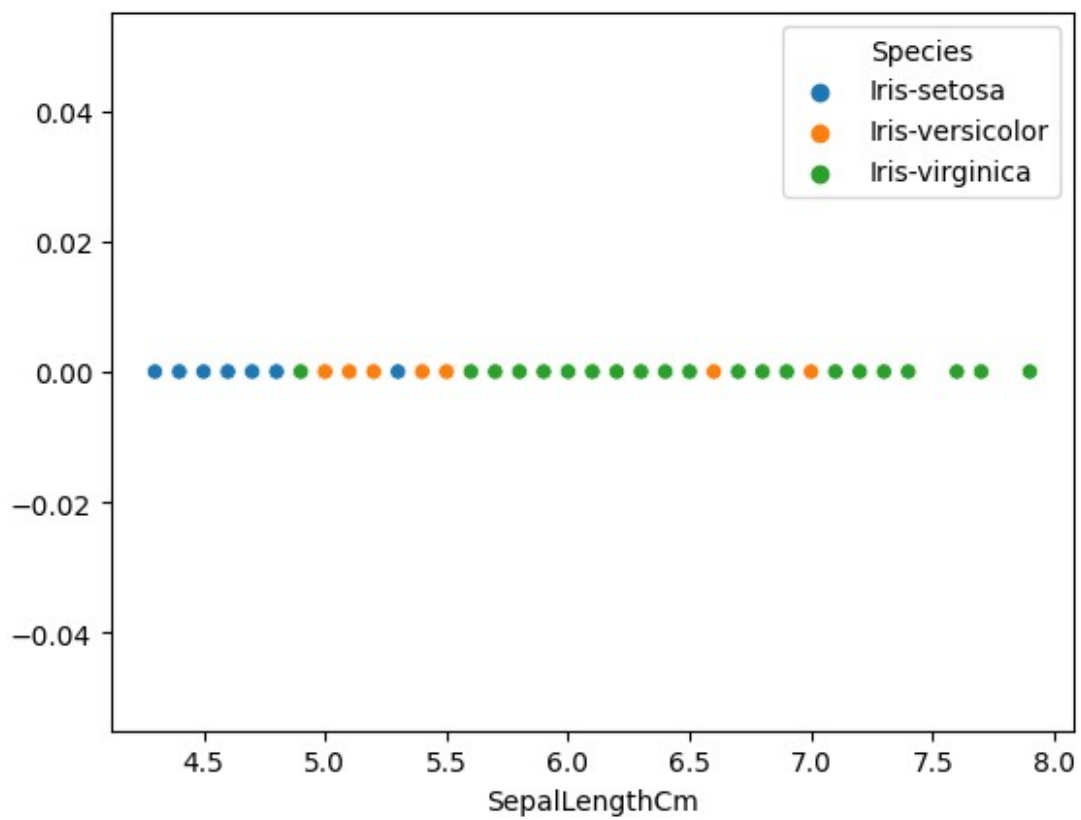
	Id	SepalLengthCm	SepalWidthCm	PetalLengthCm	PetalWidthCm	
Species						
0	1	5.1	3.5	1.4	0.2	Iris-
						setosa
1	2	4.9	3.0	1.4	0.2	Iris-
						setosa
2	3	4.7	3.2	1.3	0.2	Iris-
						setosa
3	4	4.6	3.1	1.5	0.2	Iris-
						setosa
4	5	5.0	3.6	1.4	0.2	Iris-
						setosa

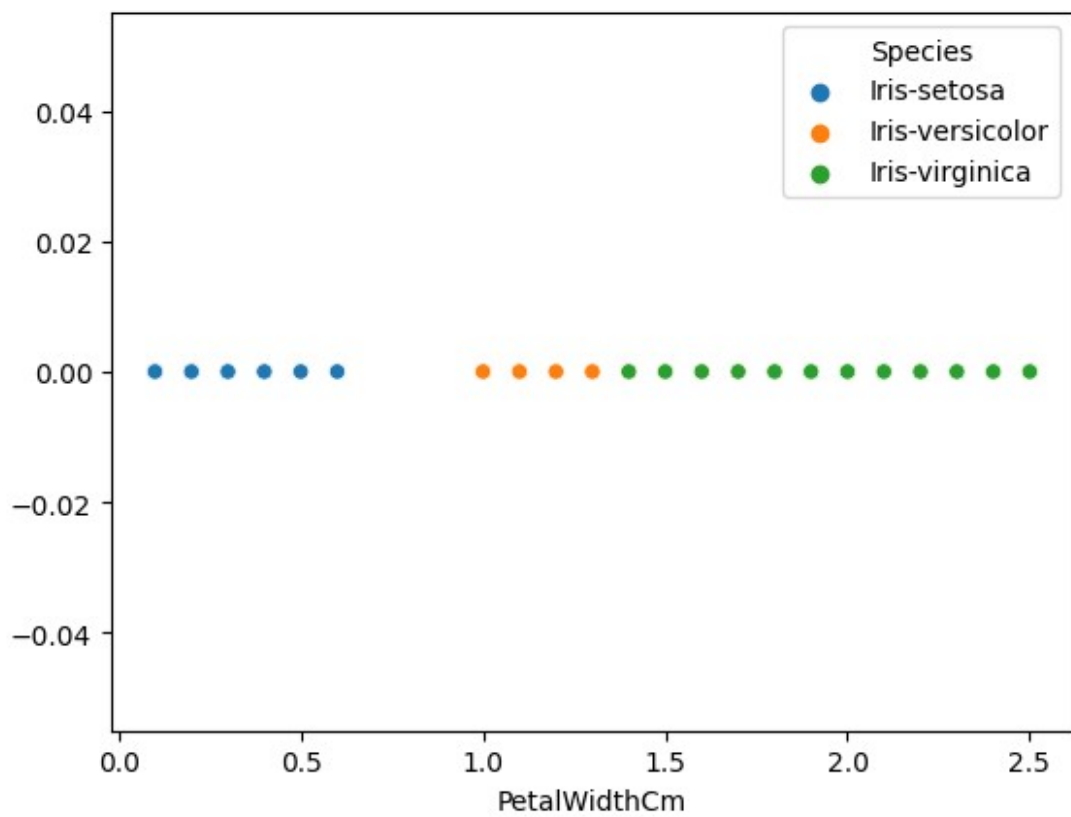
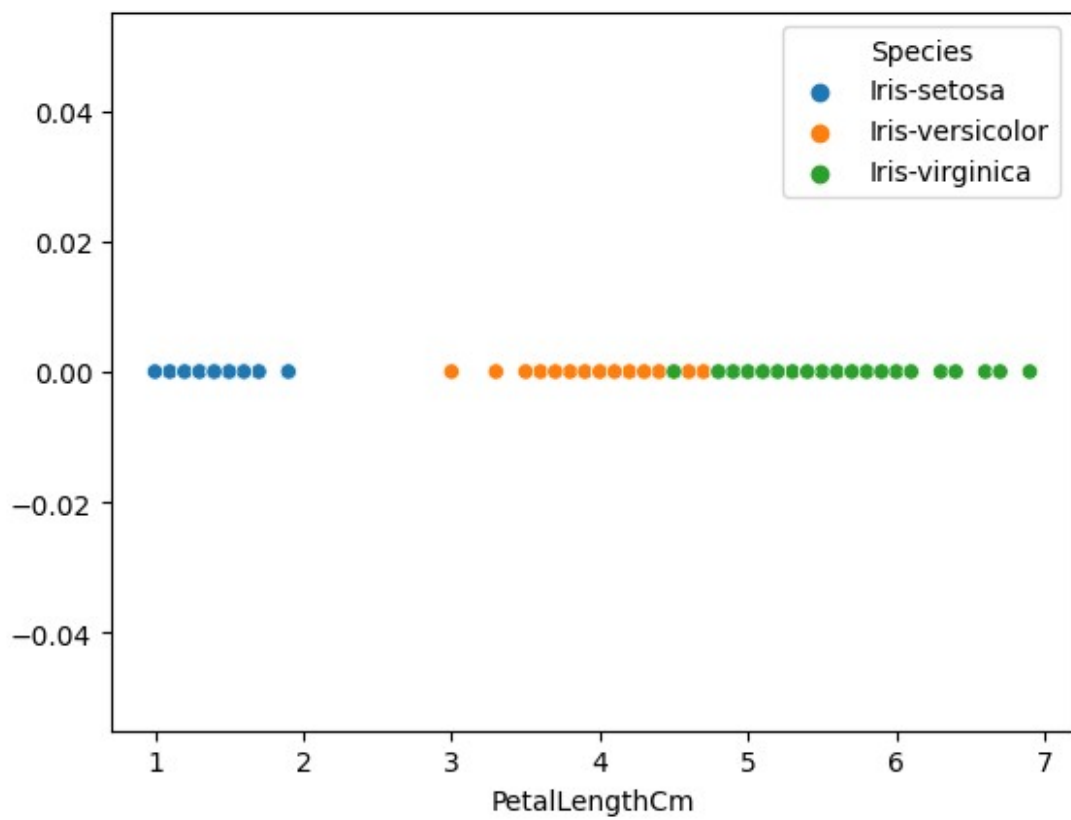
## PERFORMING UNIVARIATE ANALYSIS

```

sns.scatterplot(data=df, x="SepalLengthCm", y=0, hue="Species")
plt.show()
sns.scatterplot(data=df, x="SepalWidthCm", y=0, hue="Species")
plt.show()
sns.scatterplot(data=df, x="PetalLengthCm", y=0, hue="Species")
plt.show()
sns.scatterplot(data=df, x="PetalWidthCm", y=0, hue="Species")
plt.show()

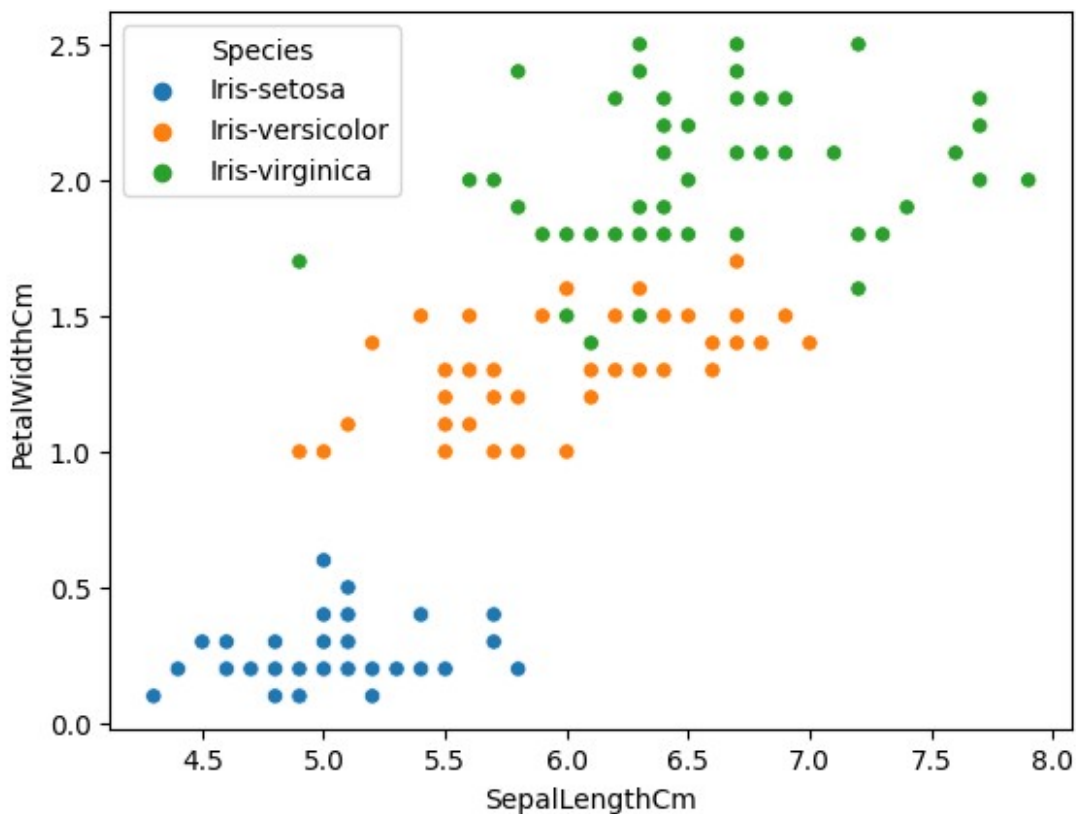
```

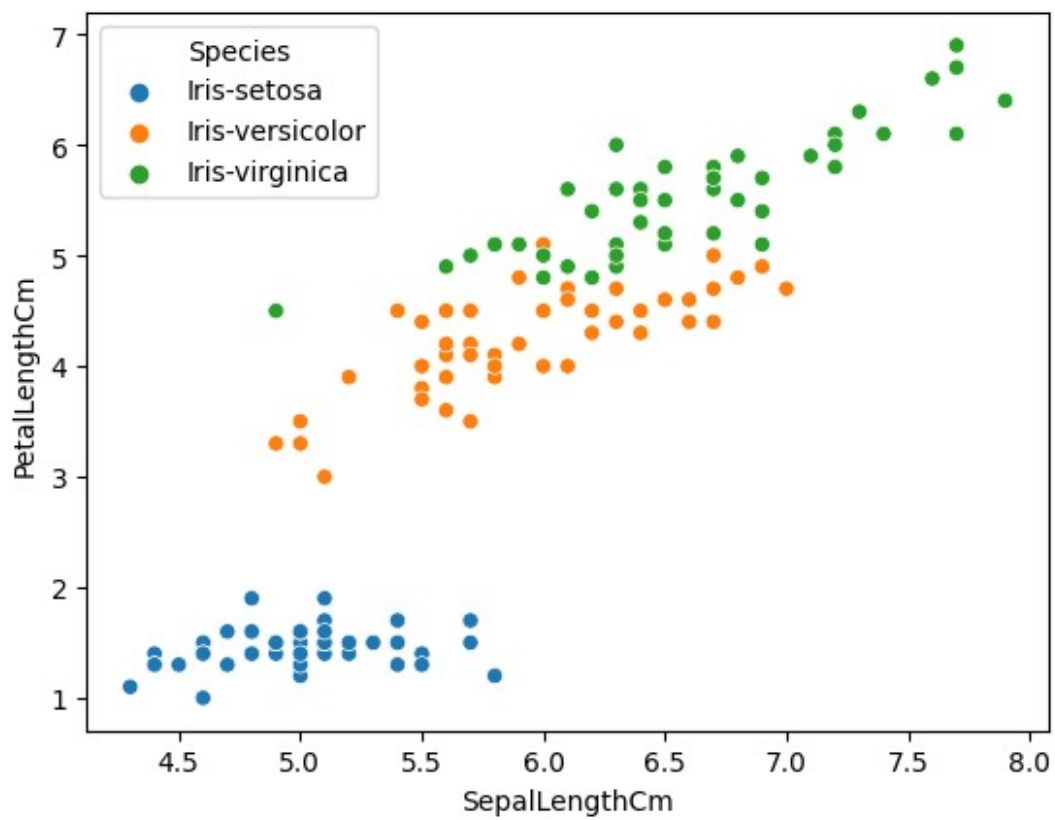
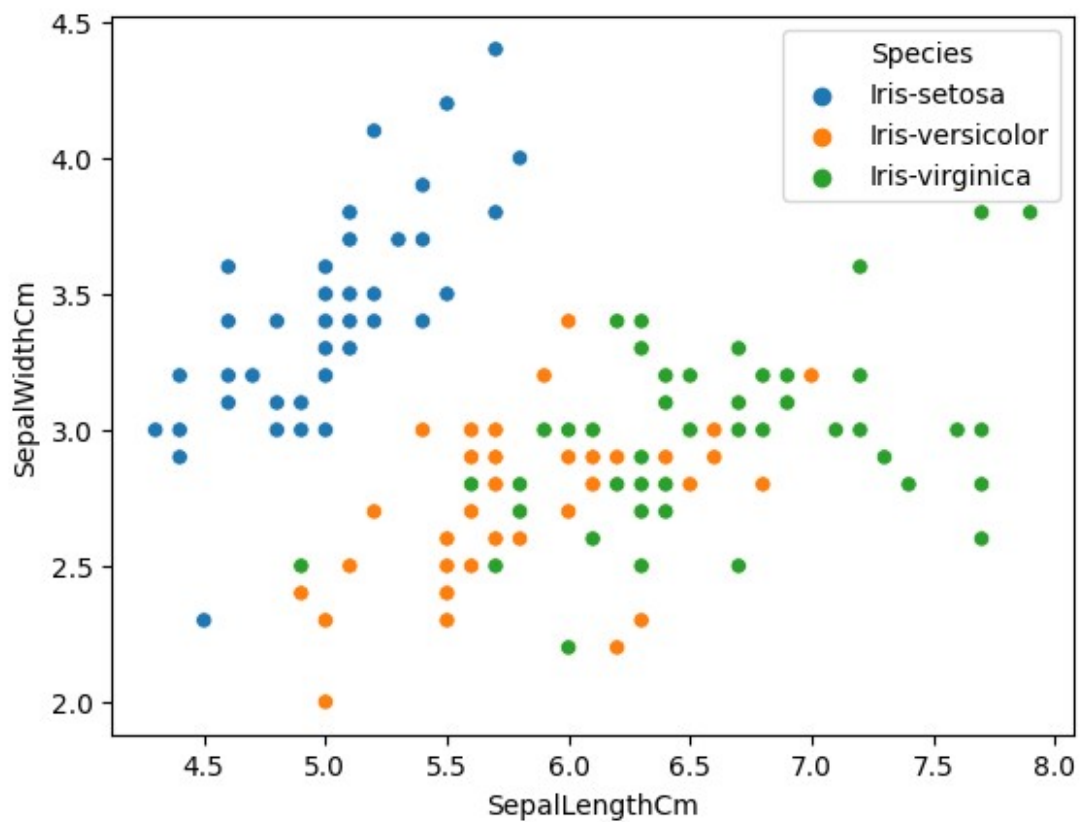


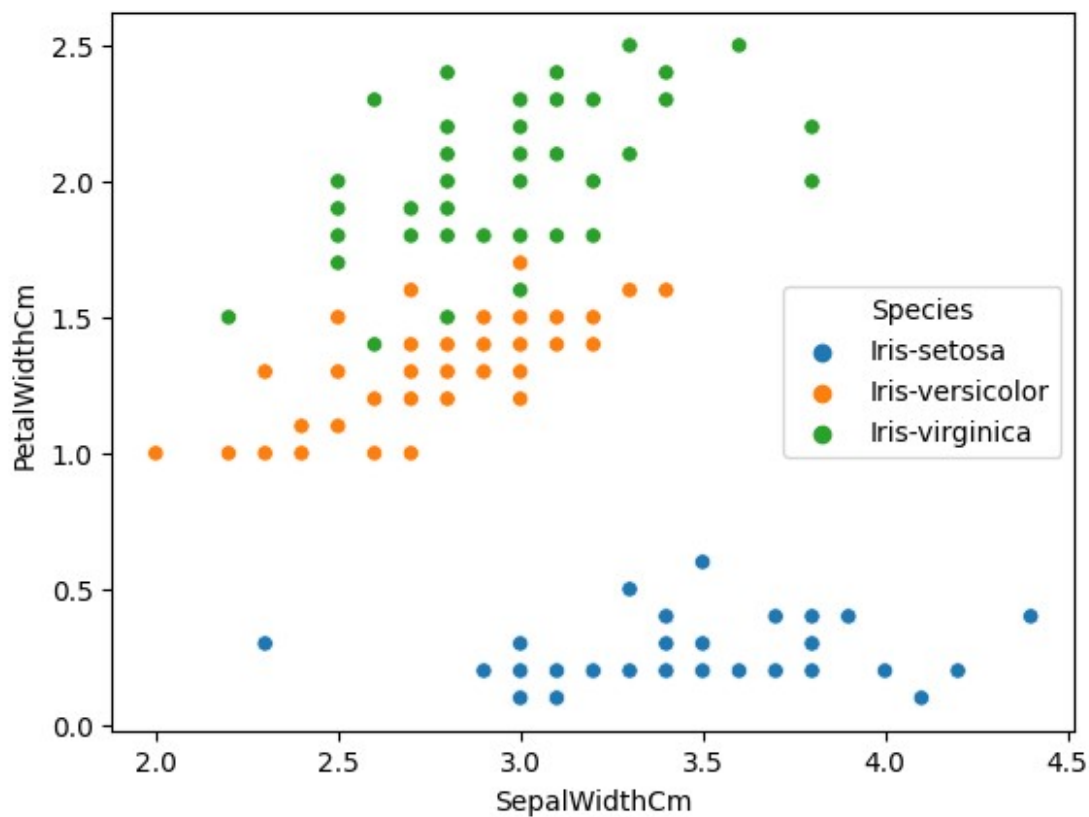
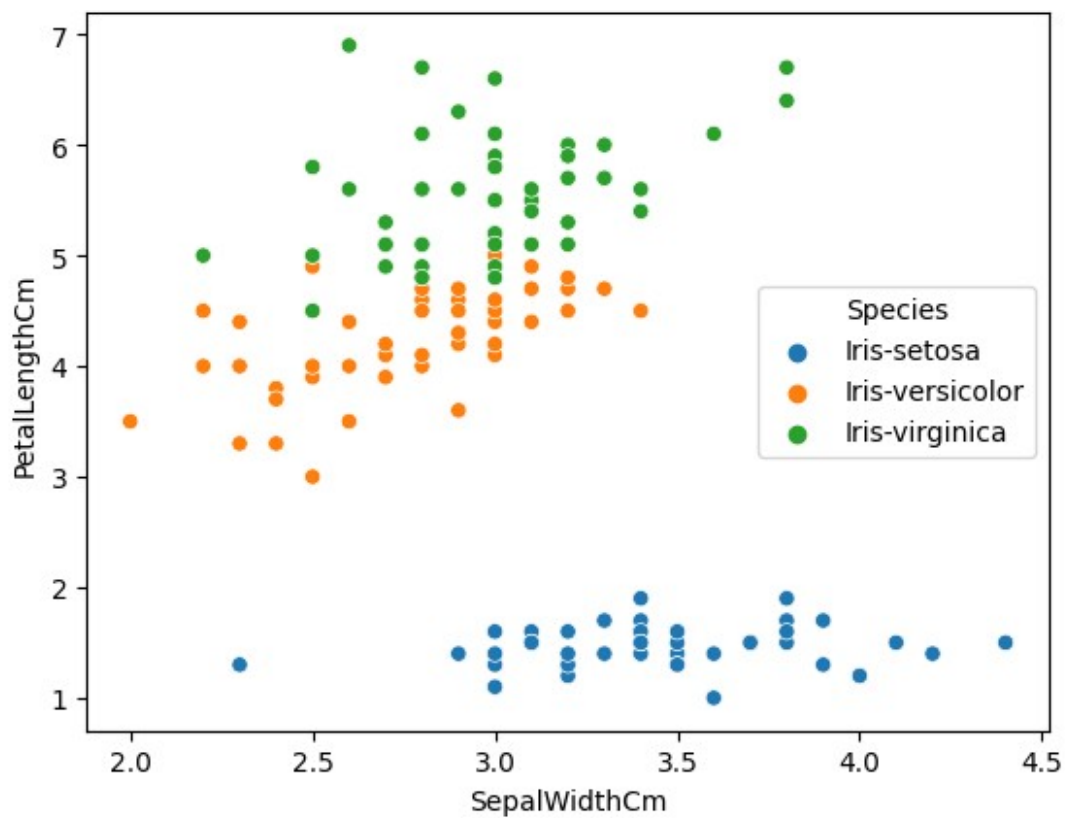


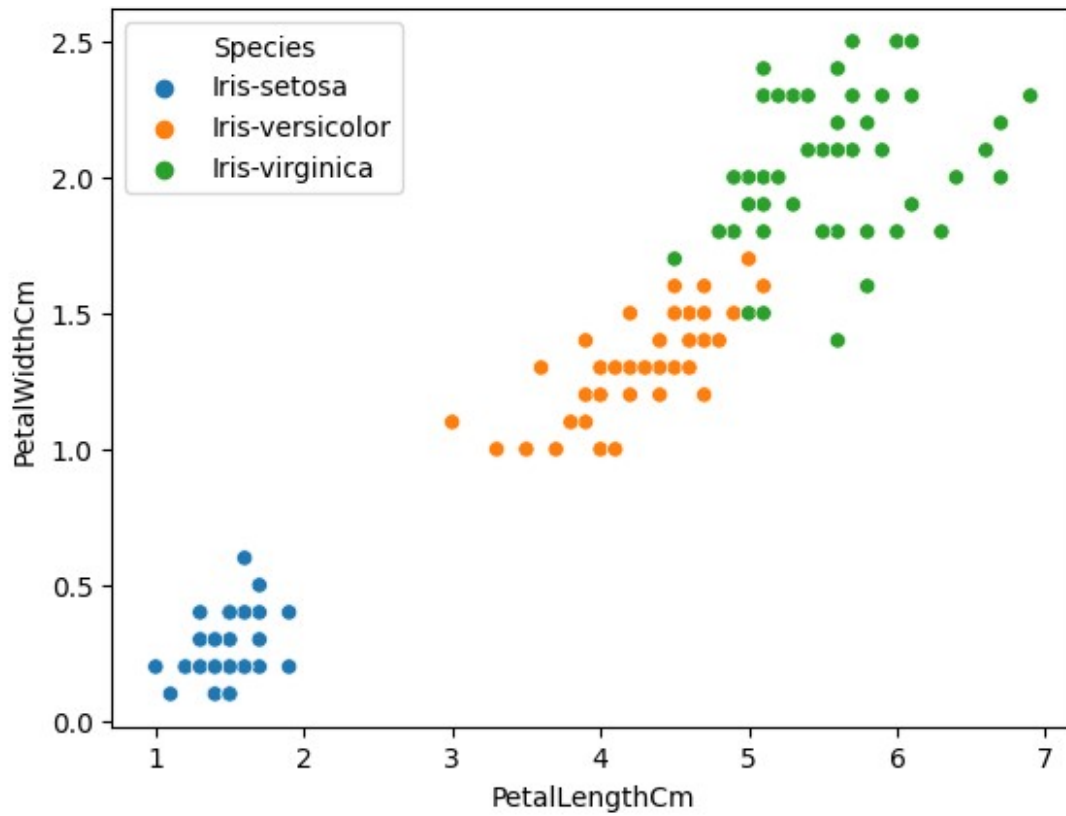
## PERFORMING BIVARIATE ANALYSIS

```
sns.scatterplot(data=df, x="SepalLengthCm", y='PetalWidthCm',  
hue="Species")  
plt.show()  
sns.scatterplot(data=df, x="SepalLengthCm", y='SepalWidthCm',  
hue="Species")  
plt.show()  
sns.scatterplot(data=df, x="SepalLengthCm", y='PetalLengthCm',  
hue="Species")  
plt.show()  
sns.scatterplot(data=df, x="SepalWidthCm", y='PetalLengthCm',  
hue="Species")  
plt.show()  
sns.scatterplot(data=df, x="SepalWidthCm", y='PetalWidthCm',  
hue="Species")  
plt.show()  
sns.scatterplot(data=df, x="PetalLengthCm", y='PetalWidthCm',  
hue="Species")  
plt.show()
```









## PERFORMING MULTIVARIATE ANALYSIS

```
df=df.drop('Id',axis=1)
sns.pairplot(df,diag_kind='kde',hue='Species')
plt.show()
```

