Saving a Plot in Tiff, Png, and pdf

- Assigent of 21

In [ ]:
```
# Load sample data set
import pandas as pd
import numpy as np
import seaborn as sns
data=sns.load_dataset("iris")
data.head()
```

Out[ ]:

	sepal_length	sepal_width	petal_length	petal_width	species
0	5.1	3.5	1.4	0.2	setosa
1	4.9	3.0	1.4	0.2	setosa
2	4.7	3.2	1.3	0.2	setosa
3	4.6	3.1	1.5	0.2	setosa
4	5.0	3.6	1.4	0.2	setosa

In [ ]:
```
import matplotlib.pyplot as plt
from sklearn.tree import DecisionTreeClassifier
x=df.iloc[:,:-1]
y=df.iloc[:, -1:]
x.head()
```

Out[ ]:

	sepal_length	sepal_width	petal_length	petal_width
0	5.1	3.5	1.4	0.2
1	4.9	3.0	1.4	0.2
2	4.7	3.2	1.3	0.2
3	4.6	3.1	1.5	0.2
4	5.0	3.6	1.4	0.2

In [ ]:
```
y.head()
```

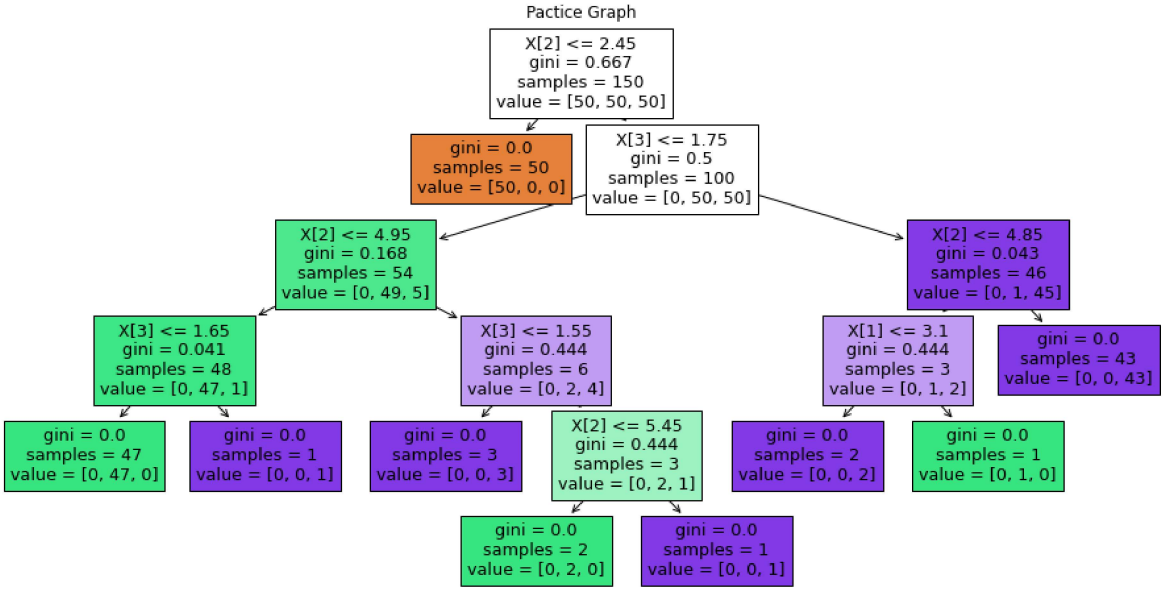
Out[ ]:

	species
0	setosa
1	setosa
2	setosa
3	setosa
4	setosa

In [ ]:
```
from sklearn.tree import plot_tree
import matplotlib.pyplot as plt
```

```
plt.figure()
fig = plt.figure(figsize=(16, 8))
model= DecisionTreeClassifier().fit(x,y)
plot_tree(model, filled=True)
plt.title("Pactice Graph")
```

```
<Figure size 432x288 with 0 Axes>
```



Saving Plots in different formats

In [ ]:

```
plt.savefig('PracticeGraph2.tiff', dpi=300)
plt.savefig('PracticeGraph2.png')
plt.savefig('PracticeGraph2.pdf')
# savefig(fname,dpi=None, facecolor='w', edgecolor='w',
#         orientation='portrait', papertype=None,
#         format=None, transparent=False, bbox_inches=None,
#         pad_inches=0.1,frameon=None)
```