In [ ]:

In [2]:
```
from sklearn.datasets import load_iris
```

In [11]:
```
X,y =  load_iris(return_X_y=True)
```

In [7]:
```
datasets.keys()
```

Out[7]:
```
dict_keys(['data', 'target', 'target_names', 'DESCR', 'feature_names', 'filen
ame'])
```

In [12]:
```
X.shape
```

Out[12]:
```
(150, 4)
```

In [9]:
```
from sklearn.naive_bayes import GaussianNB
```

In [14]:
```
model = GaussianNB(priors=None)
model.fit(X, y)
```

Out[14]:
```
GaussianNB(priors=None, var_smoothing=1e-09)
```

In [ ]:

In [18]:
```
pred =model.predict(X)
```

In [ ]:

In [16]:
```
from sklearn.metrics import classification_report, confusion_matrix
```

In [21]:
```
print(classification_report(y, pred))
print('\n')
print(confusion_matrix(y, pred))
```

```
              precision    recall  f1-score   support

           0       1.00      1.00      1.00        50
           1       0.94      0.94      0.94        50
           2       0.94      0.94      0.94        50

   micro avg       0.96      0.96      0.96       150
   macro avg       0.96      0.96      0.96       150
weighted avg       0.96      0.96      0.96       150



[[50  0  0]
 [ 0 47  3]
 [ 0  3 47]]
```

In [ ]:

In [ ]: