



```
x_train.shape,y_train.shape
```

```
((124, 13), (124,))
```

```
import GaussainNB
```

```
from sklearn.naive_bayes import GaussianNB  
gnb = GaussianNB()
```

Training the model

```
gnb.fit(x_train,y_train)
```

```
▼ GaussianNB  
GaussianNB()
```

```
y_pred = gnb.predict(x_test)
```

```
y_pred
```

```
array([1, 0, 2, 1, 2, 1, 2, 2, 0, 0, 1, 1, 0, 1, 1, 2, 0, 2, 0, 1, 0, 1,  
       0, 1, 1, 1, 2, 1, 1, 1, 0, 2, 2, 0, 0, 1, 1, 2, 1, 0, 1, 0, 0, 2,  
       1, 0, 0, 0, 1, 2, 1, 0, 2, 1])
```

Accuracy score

```
from sklearn import metrics  
metrics.accuracy_score(y_test,y_pred)
```

```
1.0
```

```
from sklearn.metrics import confusion_matrix  
cm = np.array(confusion_matrix(y_test,y_pred))  
cm
```

```
array([[18,  0,  0],  
       [ 0, 23,  0],  
       [ 0,  0, 13]])
```