In [1]:
```python
from sklearn.datasets import load_iris
from sklearn.model_selection import train_test_split
from sklearn.naive_bayes import GaussianNB
from sklearn.metrics import accuracy_score
import pandas as pd
import numpy as np
```

In [2]:
```python
cancerData = pd.read_csv('P5_haberman_dataset.csv')
X=cancerData.iloc[:,0:3]
y=cancerData.iloc[:,-1]
```

In [3]:
```python
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.67, random_state=42)
gnb = GaussianNB()
y_pred = gnb.fit(X_train, y_train).predict(X_test)
accuracy = accuracy_score(y_test,y_pred)
```

In [4]:
```python
print("actual : "+str(np.array(y_test)))
print("predicted : "+str(y_pred))
print("Accuracy : "+str(accuracy))
```

```
actual : [2 1 1 1 1 1 1 2 2 2 1 1 1 1 1 1 1 1 1 2 2 1 2 1 1 1 1 2 1 1 1 1 1 2 1 1 1
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predicted : [2 1 1 1 1 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1 2 1 1 1
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Accuracy : 0.7560975609756098
```