In [1]:
```
import numpy as np
from sklearn.datasets import load_breast_cancer
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import StandardScaler
from sklearn.linear_model import LogisticRegression
from sklearn.metrics import accuracy_score
```

## load the breast cancer dataset

In [2]:
```
df = load_breast_cancer()
x = df.data
y = df.target
```

### split the data into training and testing sets

In [4]:
```
x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=0.2,random_state=42)
```

## standarize the model

In [5]:
```
scaler=StandardScaler()
x_train_scaled = scaler.fit_transform(x_train)
x_test_scaled = scaler.transform(x_test)
```

## train model

In [6]:
```
model = LogisticRegression()
model.fit(x_train_scaled, y_train)
```

Out[6]:
```
LogisticRegression()
```

## make prediction on the test set

In [7]:
```
predictions = model.predict(x_test_scaled)
```

## calculate accuracy

In [10]:
```
accuracy = accuracy_score(y_test, predictions)
print(f"Accuracy:{accuracy:.2f}")
```

```
Accuracy:0.97
```

In [ ]:
```

```