In [1]:
```
# Import the required library
import numpy as np
```

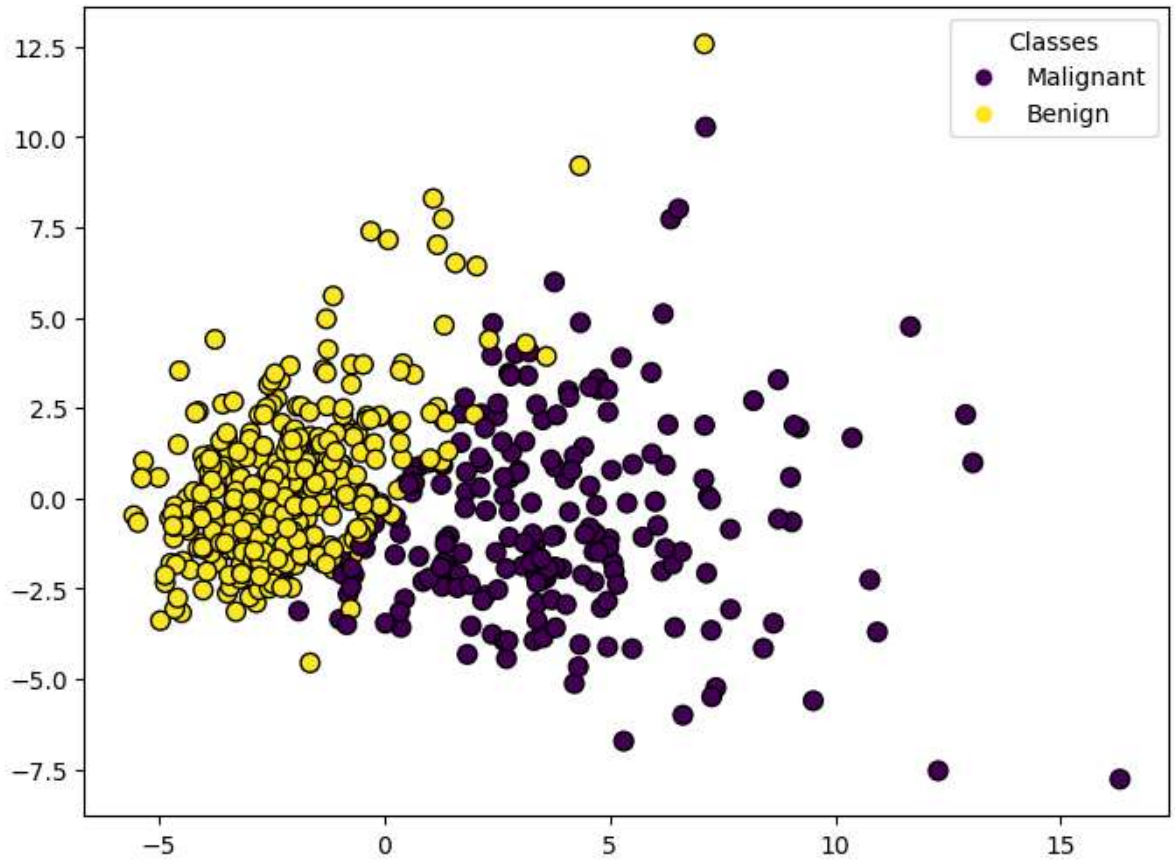
In [2]:
```
# Load the dataset
from sklearn.datasets import load_breast_cancer
cancer=load_breast_cancer()
x=cancer.data
y=cancer.target
```

In [3]:
```
# Preprocess the dataset if required & standardize the features
from sklearn.preprocessing import StandardScaler
v=StandardScaler()
x_standardized=v.fit_transform(x)
```

In [4]:
```
# Create the model and apply PCA with 2 components
from sklearn.decomposition import PCA
pca=PCA(n_components=2)
principal_components=pca.fit_transform(x_standardized)
```

In [5]:
```
data_pca=np.column_stack((principal_components,y))
```

In [15]:
```
import matplotlib.pyplot as plt
plt.figure(figsize=(8,6))
scatter = plt.scatter(data_pca[:, 0], data_pca[:, 1], c=data_pca[:, 2], cmap='
plt.xlabel=('PRINCIPAL COMPONENT 1')
plt.ylabel=('PRINCIPAL COMPONENT 2')
plt.title=('PCA of Breast Cancer Dataset')
handles,labels=scatter.legend_elements()
plt.legend(handles=scatter.legend_elements()[0], labels=['Malignant','Benign']
plt.show()
```



In [ ]: