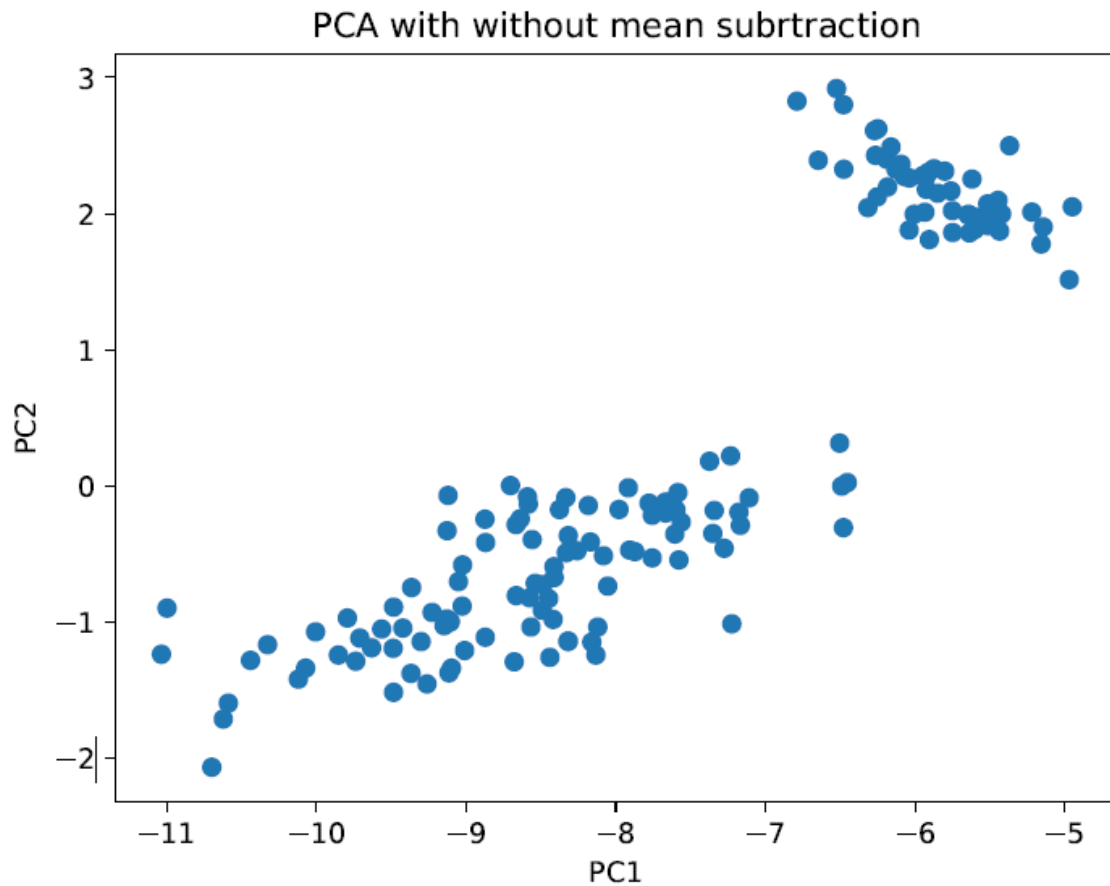


Part 1:

Pca1.py

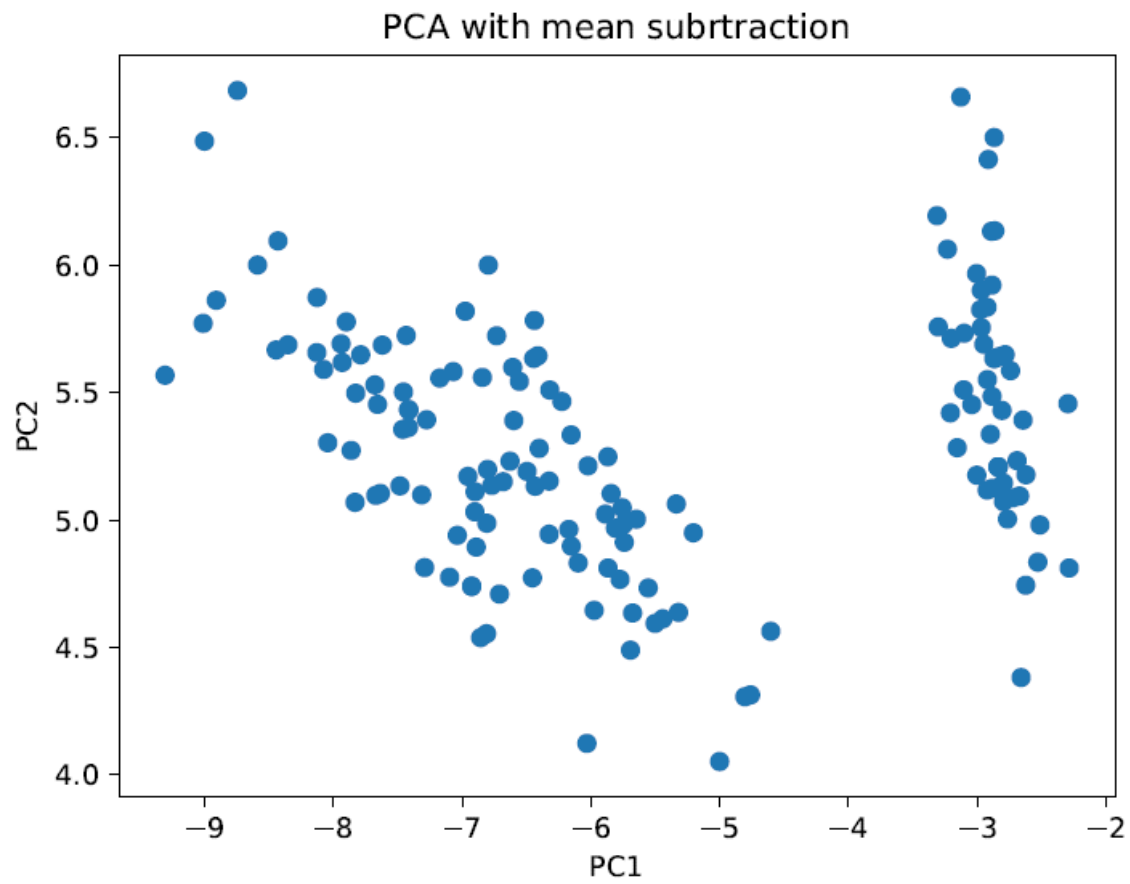
```
python pca1.py iris.data.txt iris.labels.txt pca1_reduced_vec.csv pca1_reduced_data.csv
```

```
C:\Users\pooja\.spyder-py3>python pca1.py iris.data.txt iris.labels.txt pca1_reduced_vec.csv pca1_reduced_data.csv
```

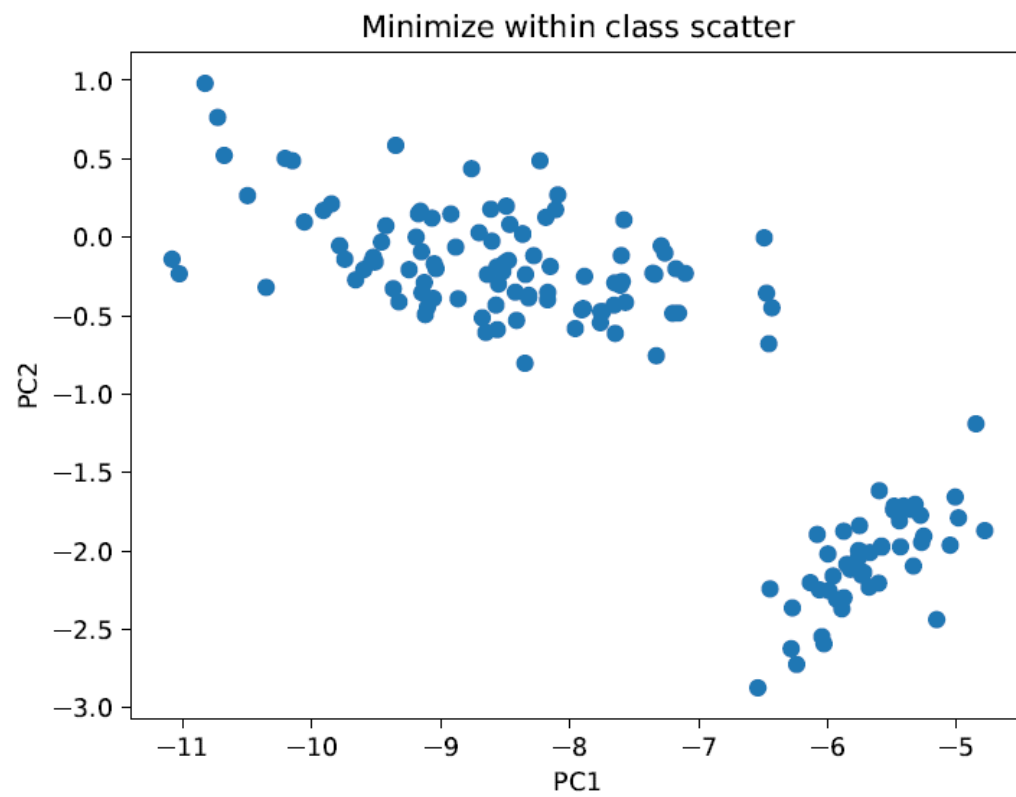
**Pca2.py**

```
python pca2.py iris.data.txt iris.labels.txt pca2_reduced_vec.csv pca2_reduced_data.csv
```

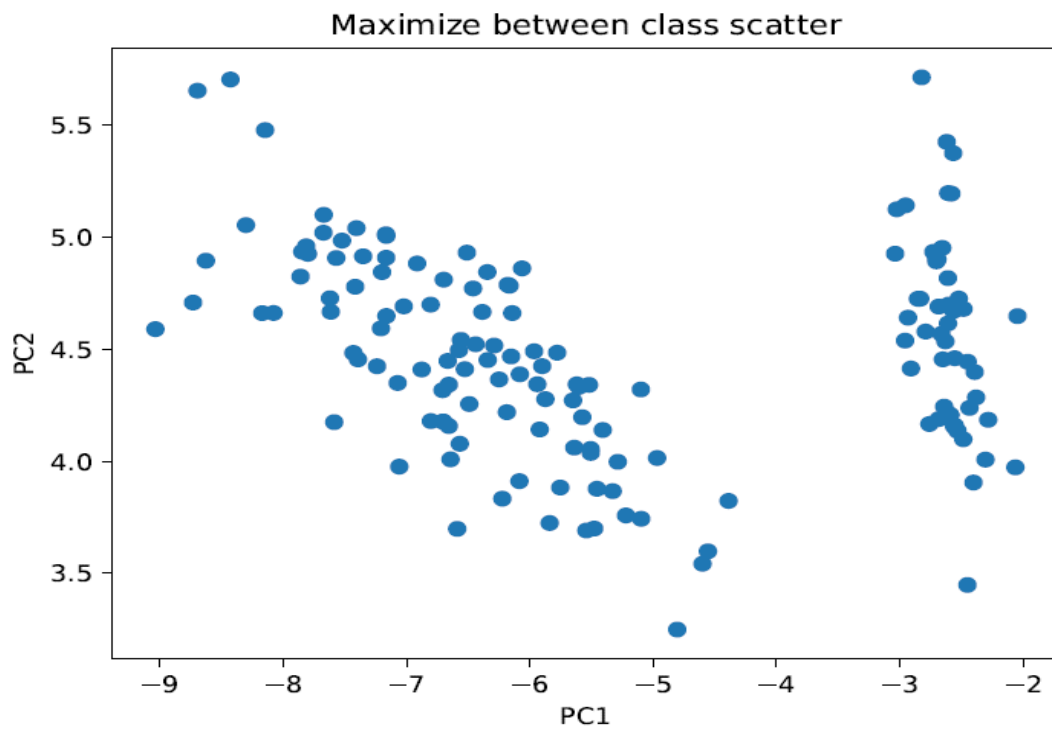
```
C:\Users\pooja\.spyder-py3>python pca2.py iris.data.txt iris.labels.txt pca2_reduced_vec.csv pca2_reduced_data.csv
```

**Scatter1.py**

```
C:\Users\pooja\.spyder-py3>python scatter1.py iris.data.txt iris.labels.txt scatter1_reduced_vec.csv scatter1_reduced_data.csv
```

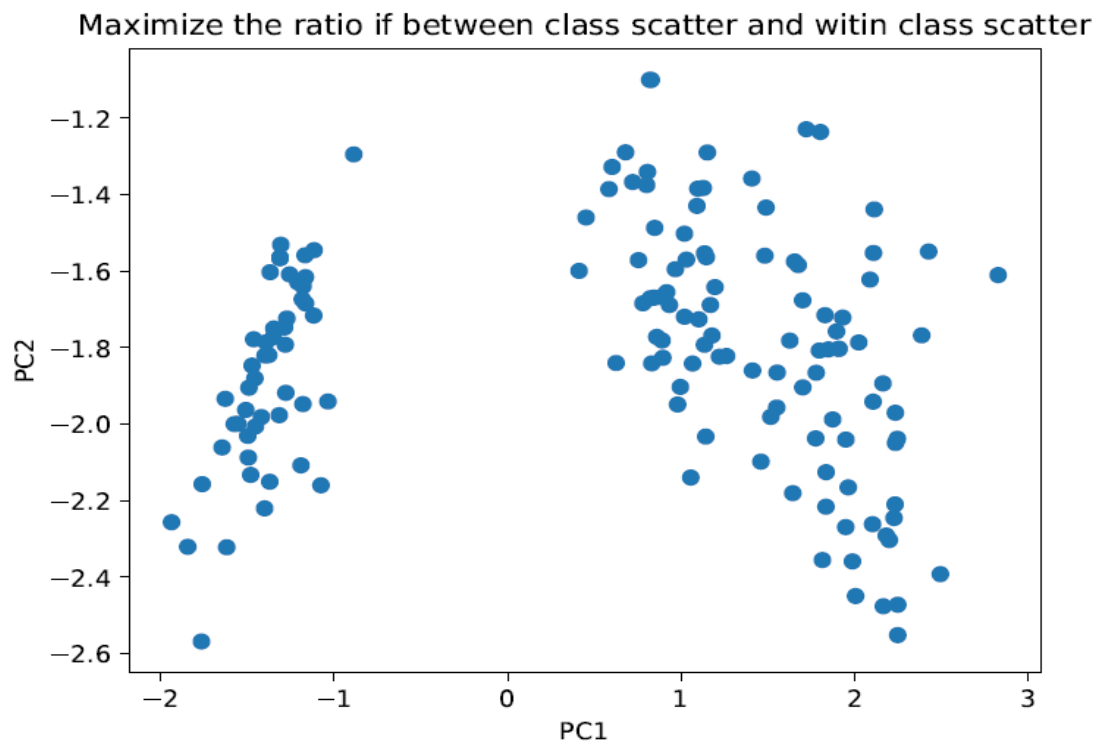
**Scatter2.py**

```
C:\Users\pooja\.spyder-py3>python scatter2.py iris.data.txt iris.labels.txt scatter2_reduced_vec.csv scatter2_reduced_data.csv
```



Scatter3.py

```
C:\Users\pooja\.spyder-py3>python scatter3.py iris.data.txt iris.labels.txt scatter3_reduced_vec.csv scatter3_reduced_data.csv
```



Part 2:

Reducedim1.py

Python reducedim1.py iris.data.txt iris.labels.txt reduced_vec.csv reduced_data.csv

Reducedim2.py

Python reducedim2.py iris.data.txt iris.labels.txt reduced_vec.csv reduced_data.csv

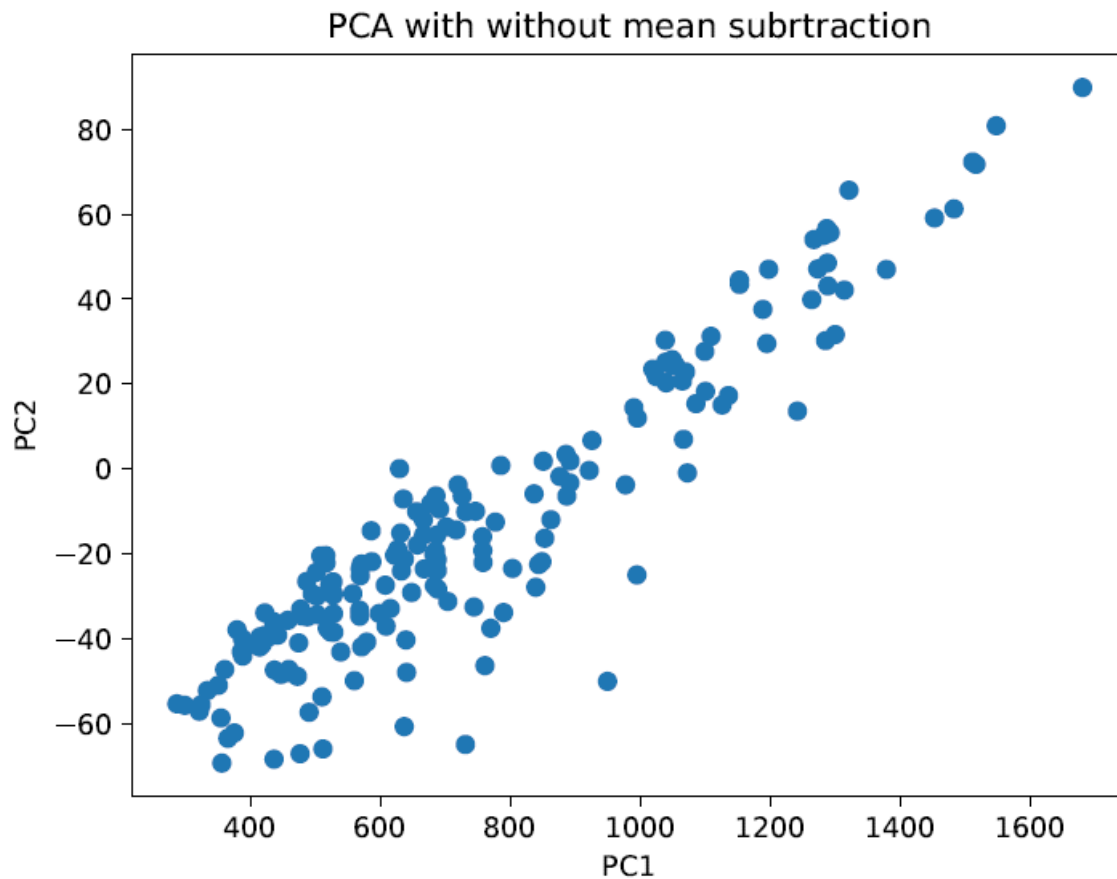
Nearest.py

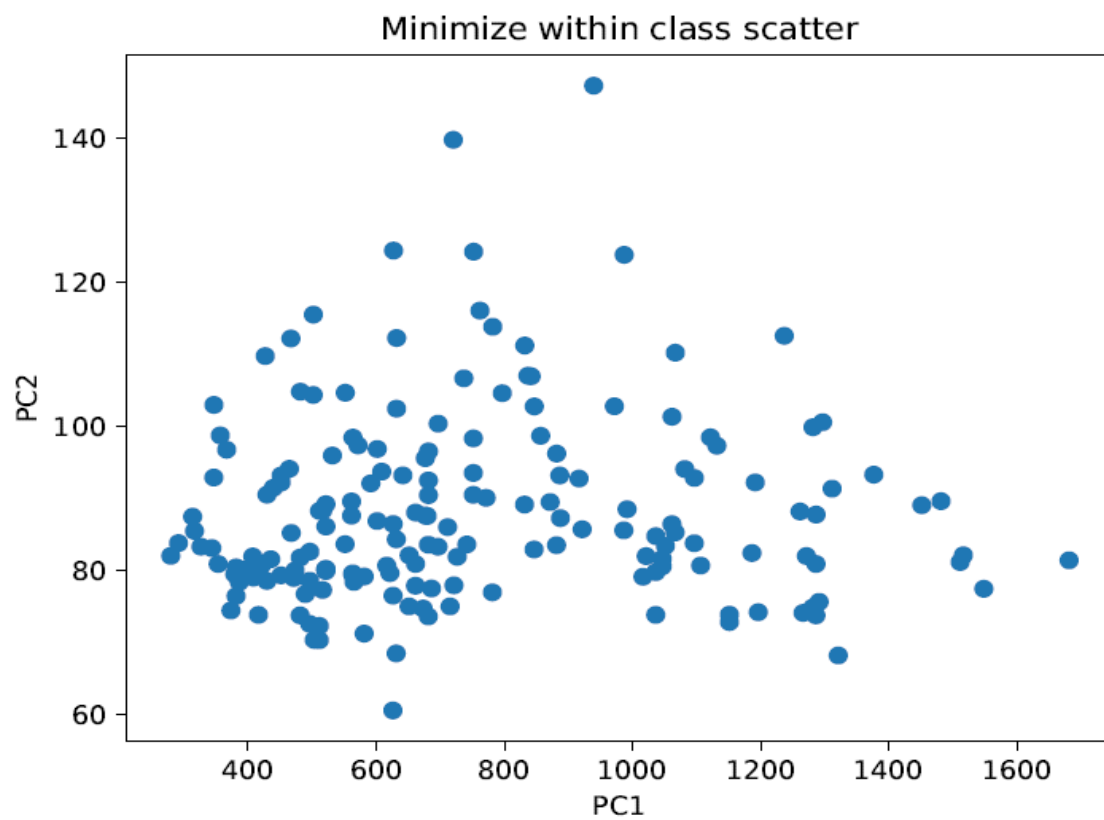
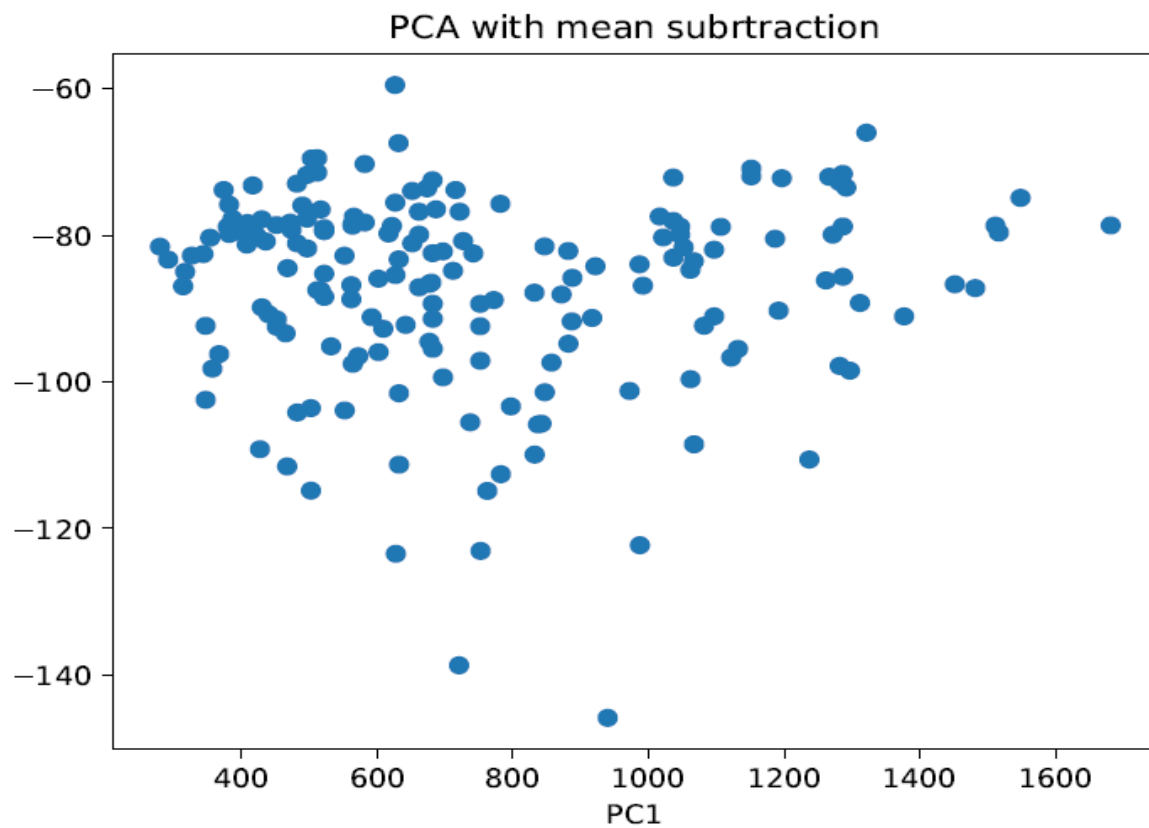
python nearest.py reduced_data.csv reduced_vec.csv iris.labels.txt queried_point_file.txt label.txt

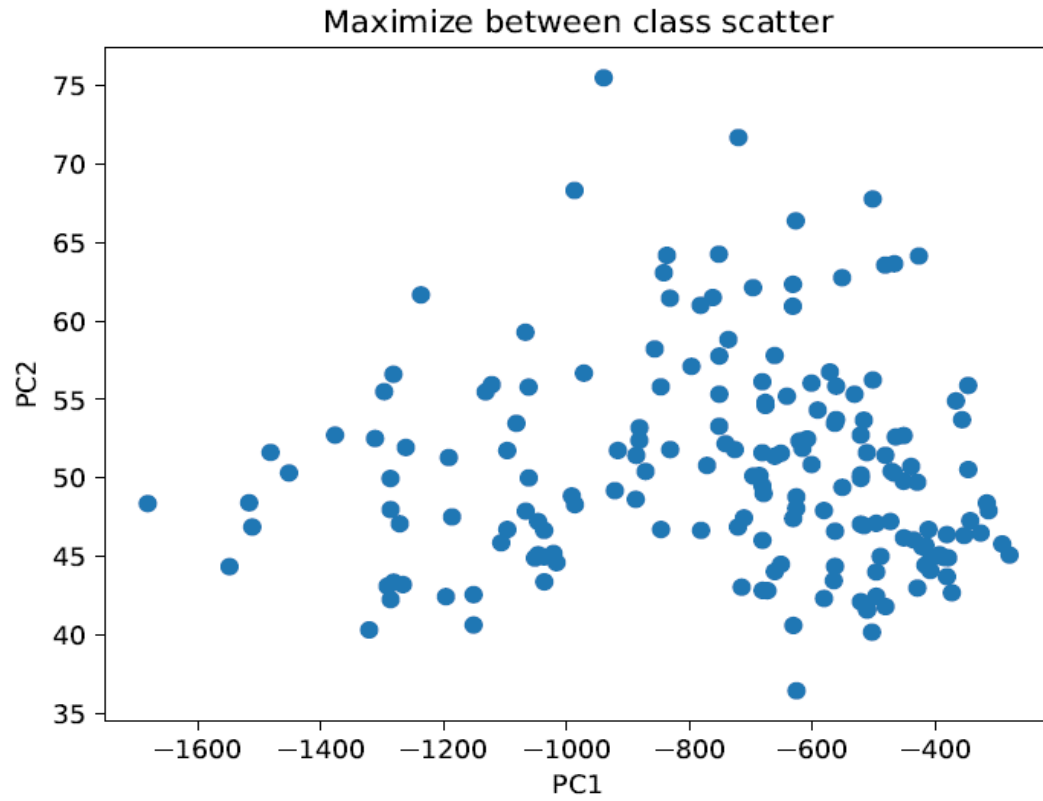
Wine data

Part 1 :

```
C:\Users\pooja\.spyder-py3>python pca1.py wine.data.txt wine.labels.txt pca1_reduced1_vec.csv pca1_reduced1_data.csv  
C:\Users\pooja\.spyder-py3>python pca2.py wine.data.txt wine.labels.txt pca2_reduced1_vec.csv pca2_reduced1_data.csv  
C:\Users\pooja\.spyder-py3>python scatter1.py wine.data.txt wine.labels.txt scatter1_reduced1_vec.csv scatter1_reduced1_data.csv  
C:\Users\pooja\.spyder-py3>python scatter2.py wine.data.txt wine.labels.txt scatter2_reduced1_vec.csv scatter2_reduced1_data.csv  
C:\Users\pooja\.spyder-py3>python scatter3.py wine.data.txt wine.labels.txt scatter3_reduced3_vec.csv scatter3_reduced1_data.csv  
C:\Users\pooja\AppData\Local\anaconda3\python\python.exe: can't open file 'C:\Users\pooja\AppData\Local\anaconda3\python\python.exe': [Errno 2] No such file or directory
```







Part 2:

Reducedim1.py

Python reducedim1.py iris.data.txt iris.labels.txt reduced_vec.csv reduced_data.csv

Reducedim2.py

Python reducedim2.py iris.data.txt iris.labels.txt reduced_vec.csv reduced_data.csv

Nearest.py

python nearest.py reduced_data.csv iris_vec.csv wine.labels.txt queried_point_file.txt label.txt