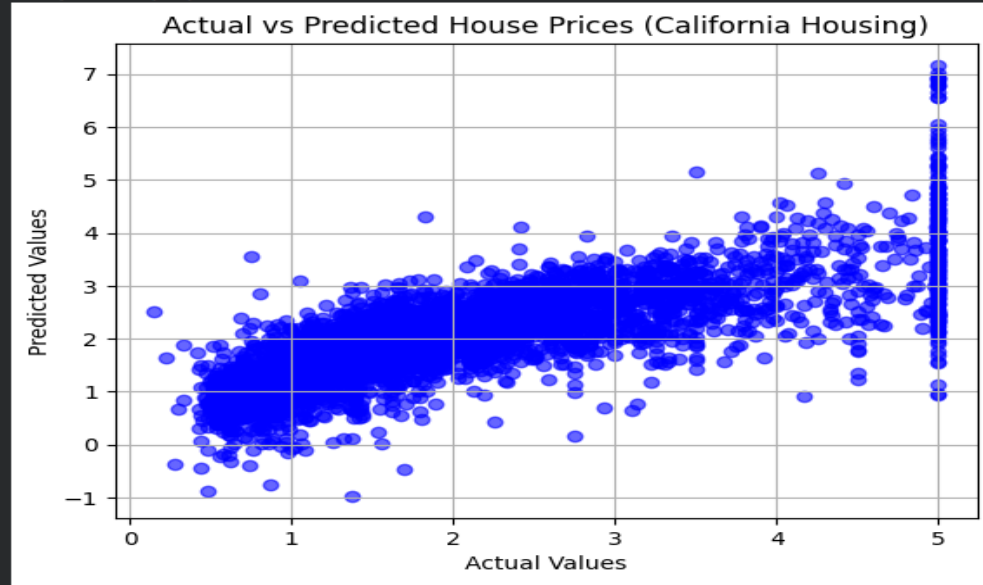


Intercept: -36.85856910680128
Coefficients: [4.33333407e-01 9.29324337e-03 -9.86433739e-02 5.93215487e-01
-7.56192502e-06 -4.74516383e-03 -4.21449336e-01 -4.34166041e-01]
Mean Squared Error (MSE): 0.5289841670367209
R-squared (R^2): 0.5943232652466202



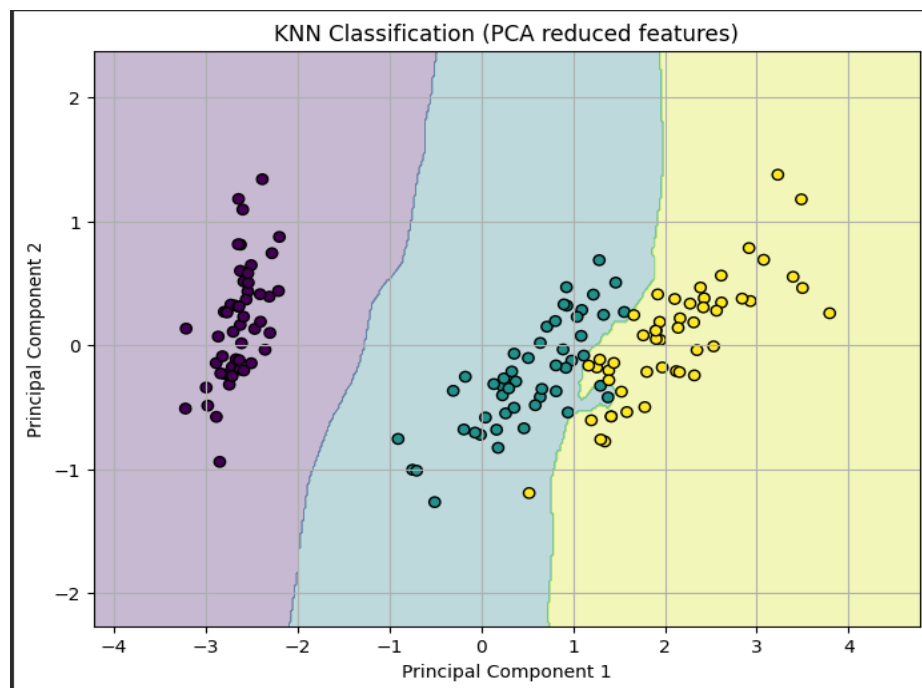
Confusion Matrix:

```
[[19  0  0]
 [ 0 13  0]
 [ 0  0 13]]
```

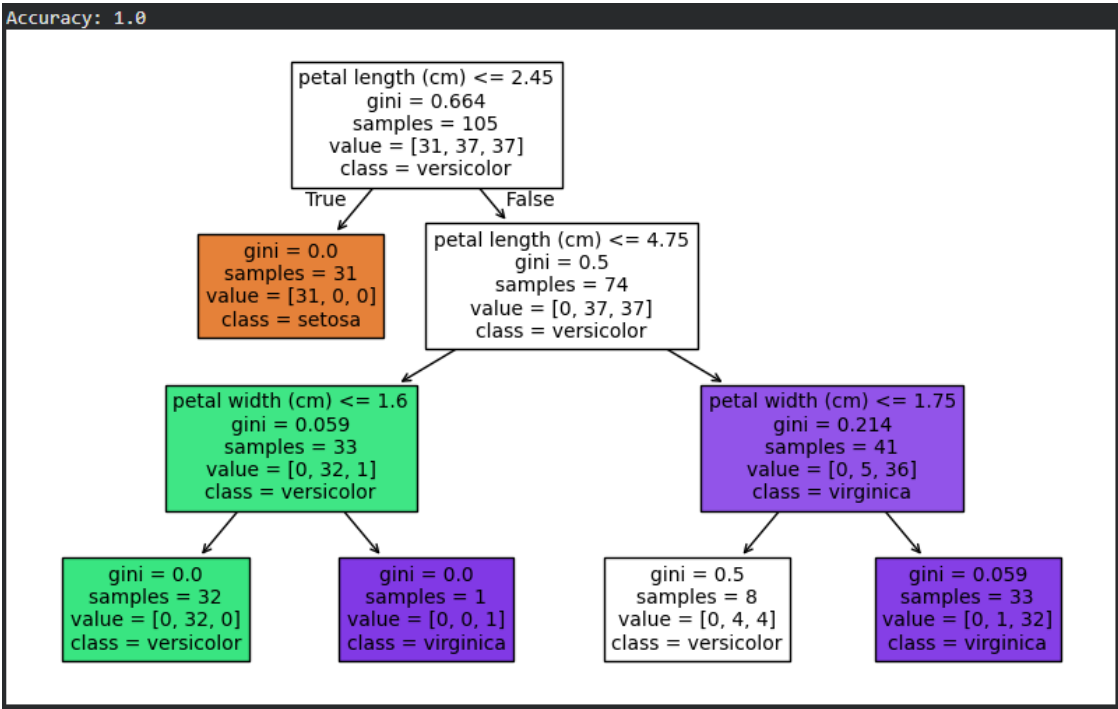
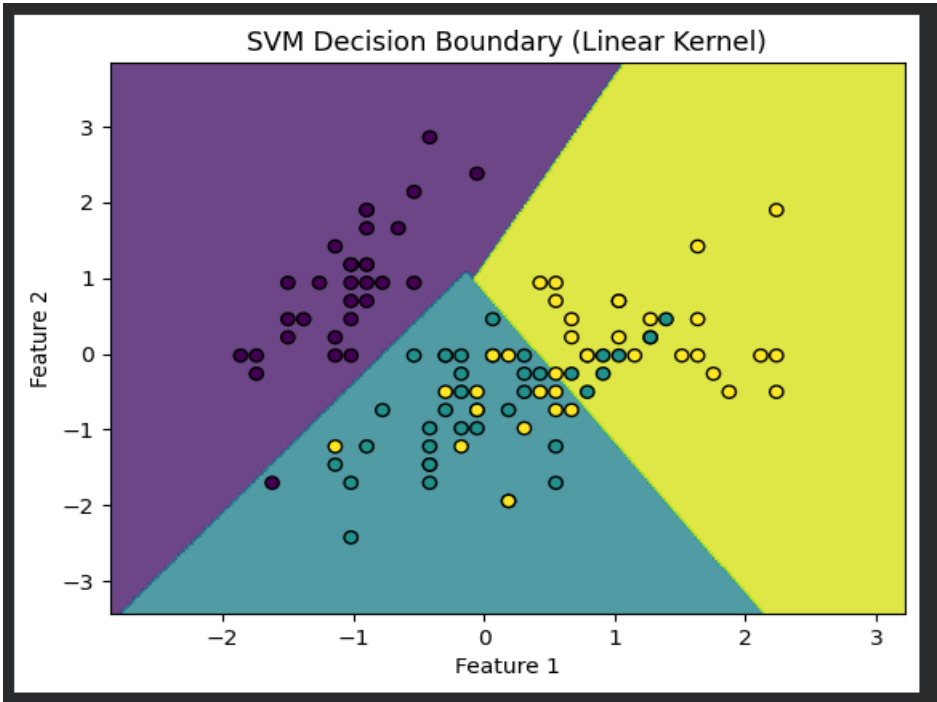
Classification Report:

	precision	recall	f1-score	support
0	1.00	1.00	1.00	19
1	1.00	1.00	1.00	13
2	1.00	1.00	1.00	13
accuracy			1.00	45
macro avg	1.00	1.00	1.00	45
weighted avg	1.00	1.00	1.00	45

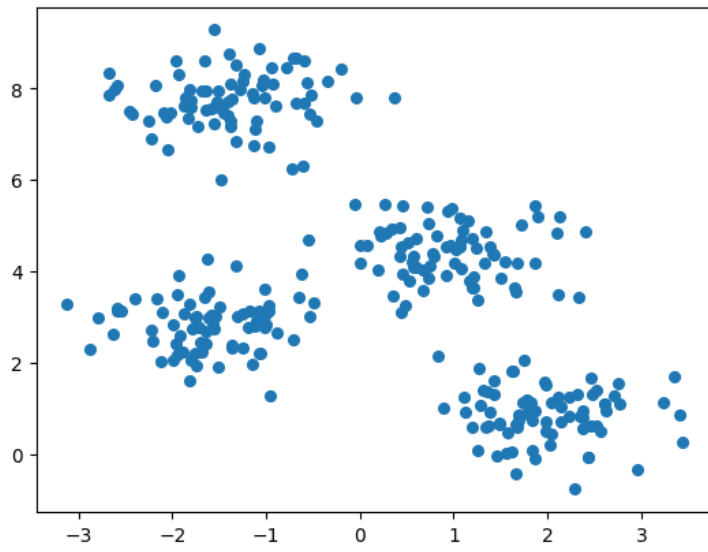
Accuracy Score: 1.0



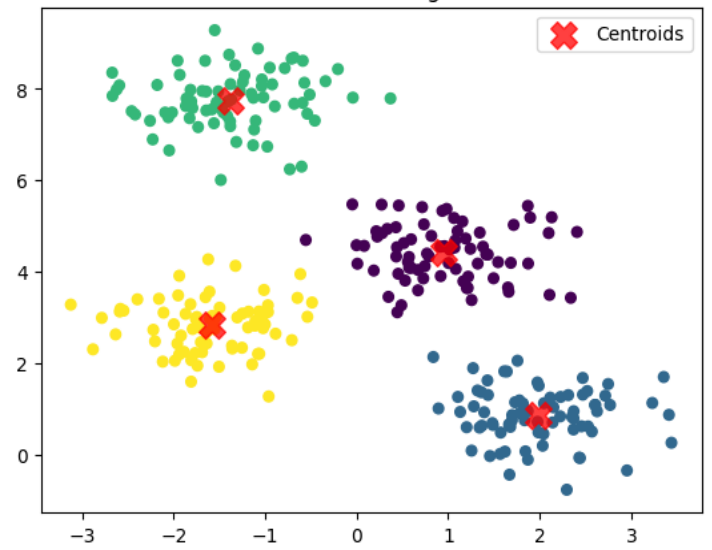
Confusion Matrix:						
[[19 0 0]						
[0 12 1]						
[0 0 13]]						
Classification Report:						
		precision	recall	f1-score	support	
	0	1.00	1.00	1.00	19	
	1	1.00	0.92	0.96	13	
	2	0.93	1.00	0.96	13	
accuracy					0.98	45
macro avg					0.98	45
weighted avg					0.98	45



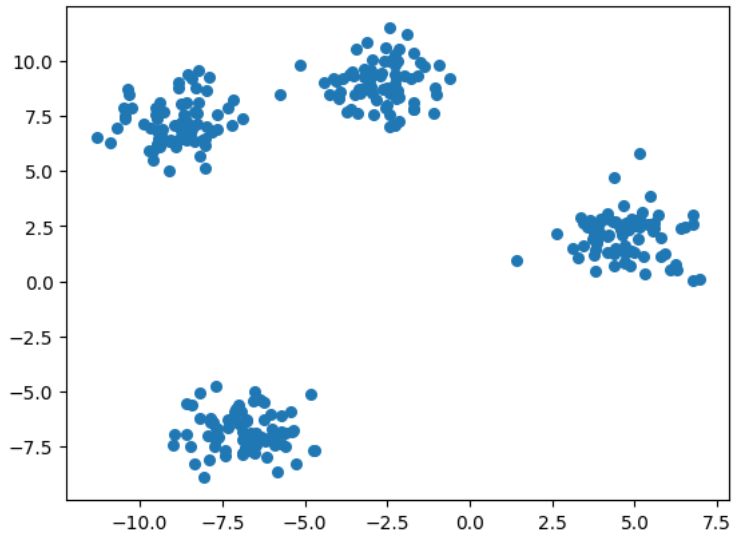
Raw Data



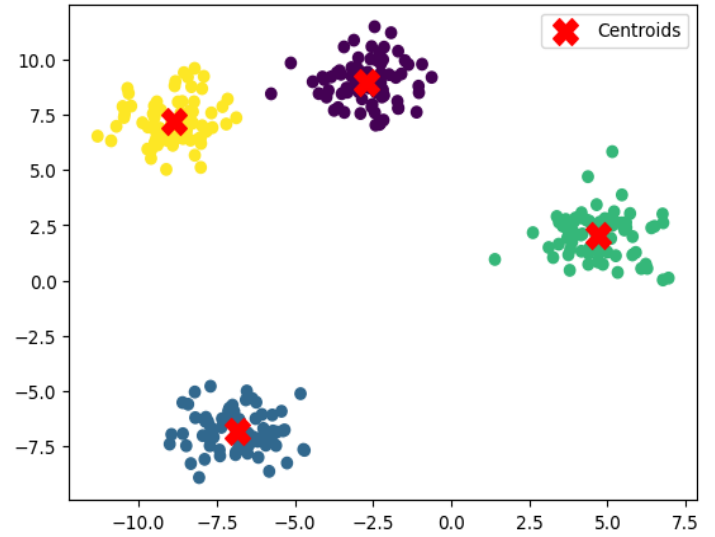
K-Means Clustering (K=4)



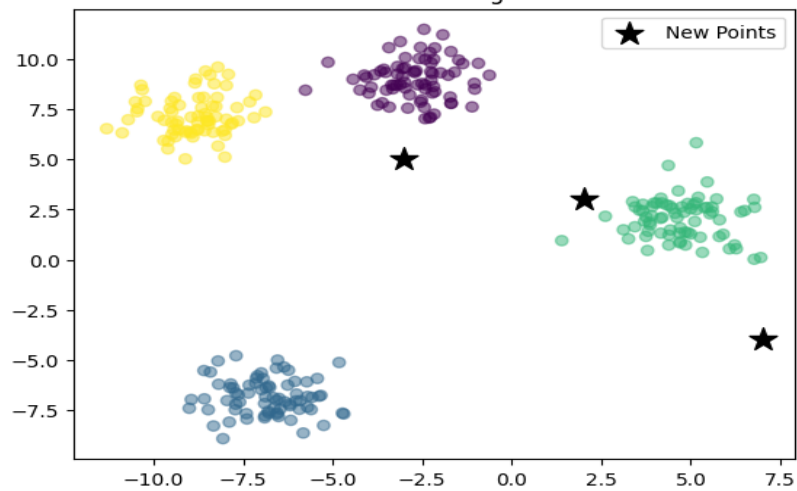
Unlabeled Data



K-Means Clustering



KNN Cluster Assignment



Predicted cluster labels for new points: [2 2 0]