A screenshot of a computer

Description automatically generated

Convert the private column to numerical values(1 for yes, and 0 for no )

Then, I created a means model with 2 clusters and a fixed random\_state for reproducibility. Fit the model to the data and add the cluster labels to the data frame.   
then, I use my head to check if the data works normally.

A screen shot of a computer

Description automatically generated

Check both possible mappings of cluster labels to true labels and determine the best mapping based on accuracy. Create and print the confusion matrix and accuracy for the best mapping. Print the classification report for the best mapping.