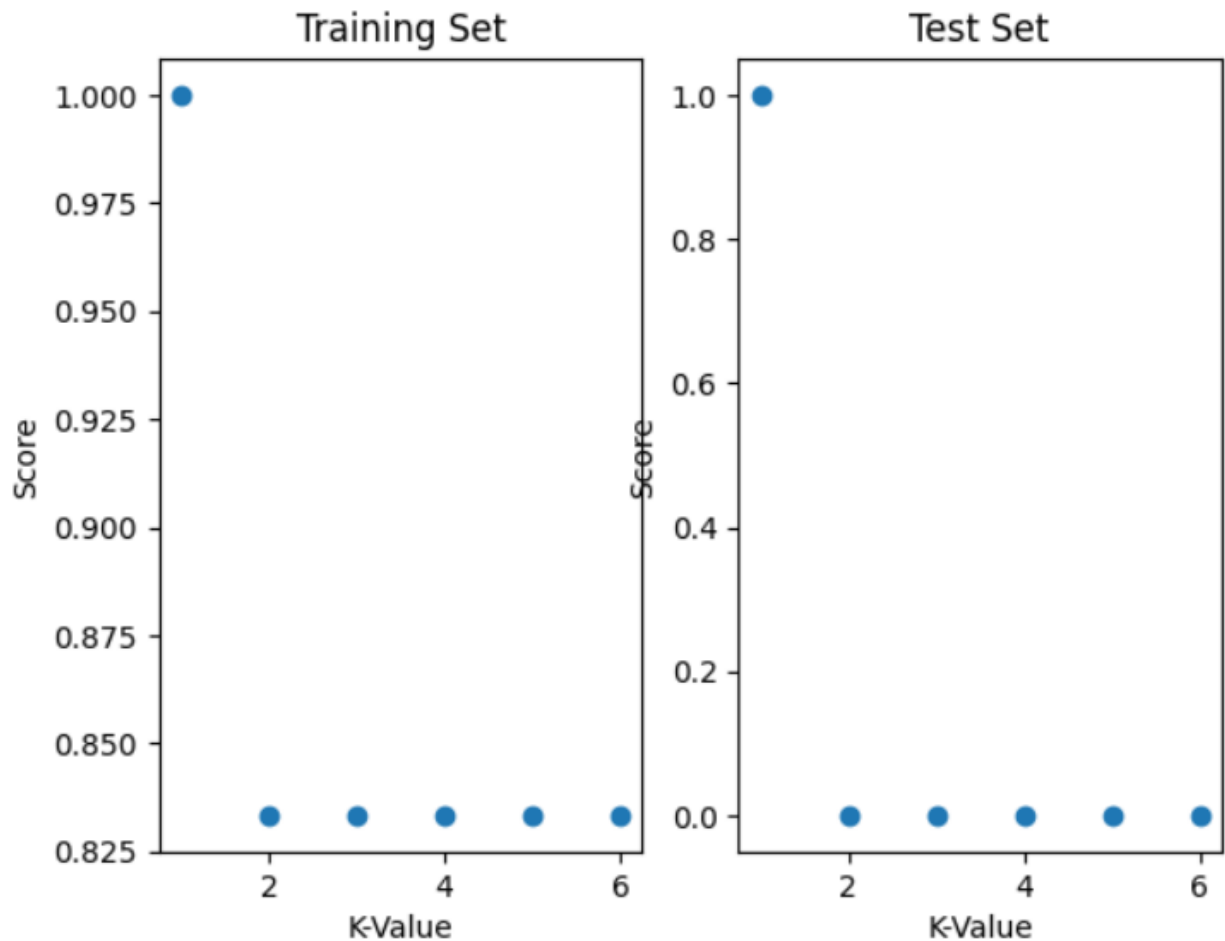


## Summary of Project

a)

Graphs of model accuracy:



b)

Final Value of  $k = 1$

Scaler = MinMaxScaler()

Model accuracy in training set = 1

Model accuracy in test set = 1

Confusion Matrix =  $\begin{bmatrix} 4 & 0 \\ 0 & 2 \end{bmatrix}$

Our confusion matrix shows 6 values on the diagonals, which represent correct predictions, and 0 values off the diagonals which represent incorrect predictions. This shows that our classifier is successful at distinguishing our classes.

c)

New instance attribute values = Exam 1: 55, Exam 2: 85

Predicted class = P