



Machine Learning Lab

Assignment 6

Group A – Python Program

1. Python program to find second largest number in a list
2. Python program to Swap elements in String list
3. Remove empty List from List
4. Reverse row sort in List of List
5. Pair elements with Rear element in Matrix Row.
6. Python program for Sorting Dictionary by Key
7. Python program for merging two Dictionaries unpacking operator
8. Python program to replace words from Dictionary

Group B – Program on Classification Algorithm

9. Use the **iris dataset** in sklearn library
 - a) Read all the dataset using a dataframe
 - b) Perform 80-20 division for train and test set
 - c) Apply KNN classifier and display Accuracy
 - d) Generate Confusion matrix
 - e) Display Precision, Recall, F1-Score , Sensitivity , Specificity , Kappa stat .
- 10) Modify QS 9
 - a) Perform 70-30 and 65-35 division for train and test set
 - b) Apply KNN classifier and display Accuracy for both the divisions
 - c) Generate a bar graph for 3 accuracies obtained.