ASSIGNMENT-1

PGDCA-2nd semester

DATA STRUCTURE

QUESTION:-1 What is worst-case time complexity of bubble sort algorithm? Show how you drive the complexity.

QUESTION:-2 What is recursion? Explain its characteristics and uses?

QUESTION:-3 Write an algorithm/ program to sort the elements using quick sort.

QUESTION:-4 Write and explain the complete three orders of transversal.

QUESTION:-5 Write the difference between single and double linked list.

Last day of submission 10th of July 2022.