

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, NAGPUR
Department of Computer Science and Engineering

CSL 210 – Data Structures with Applications

Assignment 2

Date: 6th August 2024

Q1 (a) Implement radix sort algorithm using arrays for the input list given below. Deduce the time complexity $T(n)$ for the best, worst and average cases.

A:

136	487	358	469	570	247	598	639	205	609
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(b) Use linked list for implementation of Radix sort for the same elements given above. Deduce the time complexity $T(n)$ for the best, worst and average cases.