

Silicon Institute of Technology, Bhubaneswar

B. Tech. 2nd Semester, Section – B

DSA Lab Assignment #2: (Array (1D, 2D) & Function)

Date: 11 - 04 - 2022

1. WAP in C to find an element in an array using Binary Search technique.
2. WAP in C to insert an element in a sorted array using function.
3. WAP in C to sort the elements of an array using Bubble Sort.
4. WAP in C to sort the elements of an array using Selection Sort.
5. WAP in C to sort the elements of an array using Insertion Sort.
6. WAP in C to merge two sorted arrays into a single sorted array and display it using function.
7. WAP in C to add two matrices using function.
8. WAP in C to multiply two matrices using function.
9. WAP in C to determine the inverse of a matrix using function.
10. Write a menu driven program with functions for transpose and inverse of a matrix and addition, subtraction, and multiplication of two matrices.
