Silicon Institute of Technology, Bhubaneswar
2nd Semester, Section - B

DSA Lab Assignment #1: Array & Function   **Date: 04 - 04 - 2022**

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1. WAP in C to search the presence of an element within an array using function.

2. WAP in C to insert an element at ith position in an array using function.

3. WAP in C to delete an element from the ith position in an array using function.

4. WAP in C to compute and display the frequency of a given element in an array using function.

5. WAP in C to increase each element to its five times in an array using function.

6. WAP in C to determine the number of elements present within certain range in an array using function.

7. WAP in C to left-rotate the elements of an array and display them using function.

8. WAP in C to reverse a list of elements in an array using function.

9. WAP in C to read an array, then segregate all the even and odd numbers using function. Copy the even and odd integers to two different arrays and show them.

10. WAP in C to store the full marks secured by 5 students using array. Use functions for input, display, determining maximum, minimum, class sum and class average. Consider the following prototypes:

    void input(int [], int);

    void display(int [], int);

    int class_max(int [], int);

    int class_min(int [], int);

    int class_sum(int [], int);

    int class_avg(int [], int, int);