Department of Computer Science and Engineering
Bangladesh Army University of Science and Technology (BAUST)

Course: CSE 1102   **Course Title: Structured Programing Language Sessional**

Team-Work-01 (Array & Loop)

1. Write a program in C to read n number of values in an array and display it in reverse order.

2. Write a program in C to find the sum of all elements of the array.

3. Write a program in C to copy the elements of one array into another array.

4. Write a program in C to count a total number of duplicate elements in an array.

5. Write a program in C to print all unique elements in an array.

6. Write a program in C to merge two arrays of same size sorted in descending order.

7. Write a program in C to count the frequency of each element of an array.

8. Write a program in C to find the maximum and minimum element in an array.

9. Write a program in C to separate odd and even integers in separate arrays.

10. Write a program in C to sort elements of array in ascending order.

11. Write a program in C to insert New value in the array (sorted list).

12. Write a program in C to insert New value in the array (unsorted list).

13. Write a program in C to delete an element at desired position from an array.

14. Write a program in C to find the second largest element in an array.

15. Write a program in C to find the second smallest element in an array.

16. Write a program in C for subtraction of two Matrices.

17. Write a program in C for multiplication of two square Matrices.

18. Write a program in C to find transpose of a given matrix.

19. Write a program in C to find sum of right diagonals of a matrix.

20. Write a program in C to find the sum of left diagonals of a matrix.

21. Write a program in C to find sum of rows and columns of a Matrix.

22. Write a program in C to print or display upper triangular matrix.