**Data Structure Lab, Mid Term Assignment**

Create an **Array Utility** Library as **arrayUtility.h** file

*First you will research on how to create a .h file and how to use it in C++ program. The* ***arrayUtility.h*** *It will be used as the library and will have these functions. Demonstrate the use of library in a demo.cpp file.*

//Functions for 1D array

print1DArray(int \*array, int size)

reversePrint1DArray(int \*array, int size)

input1DArray(int \*array, int size)

searchIn1DArray(int \*array, int size, int searchKey)

findMax1DArray(int \*array, int size)

findMin1DArray(int \*array, int size)

copy1DArray(int \*sourceArray,int \*destinationArray, int size)

sort1DArray(int \*array, int size)

//Functions for 2D array

print2DArray(int \*\*array, int size)

reversePrint2DArray(int \*\*array, int size)

input2DArray(int \*\*array, int size)

searchIn2DArray(int \*\*array, int size, int searchKey)

findMax2DArray(int \*\*array, int size)

findMin2DArray(int \*\*array, int size)

copy2DArray(int \*\*sourceArray, int \*\*destinationArray, int size)

//Submission will be on Teams.