



American International University-Bangladesh (AIUB)

Department of Computer Science Faculty of Science & Technology (FST)

Final Term Lab Assessment 1

Course Name	INTRODUCTION TO PROGRAMMING LAB [Fall 2023-2024]			Set
Faculty Name	SALAHUDDIN ELIAS KHAN			A
Student Name				
Student ID				
Section		Date		

Instructions:

- Write the codes in each of the .cpp files provided inside the folder. Problem 1 in 1 and so on. Do not make additional .cpp files.
- In order to submit it in teams your assessment in teams zip the main folder containing your .cpp files, .exe files and .o files. Rename the folder with your name, ID and section.
Example:
Salahuddin Elias Khan [20-44139-2] [IP-A].zip
Salahuddin Elias Khan [20-44139-2] [IP-H].zip
- Do not copy your code from your friends. If you do there will be consequences.
- Make sure to turn in your assignments by the deadline.

Questions (2D Arrays)	Marks
1. Develop a program that stores five countries' names using a single 2D array (take input from user) and prints the names at the end.	2
2. Develop a program that will ask the user of the 2D array size and then show that matrix. After that it will find the transpose of that matrix.	2
3. Develop a program that has a 2D array that can hold floating point numbers. The 2D array has 2 rows and 4 columns. The program finds the largest element from the first row, the smallest element from the second row, multiplies them and displays the largest element, smallest element as well as the multiplied result.	2
4. Develop a program that has a 2D array that stores floating point numbers given by the user. Later, the program takes a number as input and searches the number whether it is present or not present in the array.	2
5. Develop a program that has two 2D matrices of the same size. Later, the program displays the rows, columns of each array as well as performs matrix addition, subtraction, and multiplication between the matrices. Finally, the program prints all the results.	2