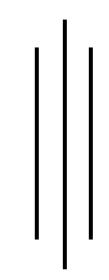


Chandpur Science and Technology University

Department of Computer Science and Engineering

LAB ASSIGNMENT #4



C Lab Assignment Submitted By:

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Submitted To:

Prince Mahmud
Lecturer
Department of Computer Science and Engineering, CSTU

Lab Date:	Marks & Signature
Submission Date: 15/12/2023	

Problem No - 1

Title:

Write a program to find the maximum, minimum and average from a list of floating point numbers.

```
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```

Problem No-2

Title:

Write a program to delete duplicate elements from an array.

Problem No - 3

Title:

Write a program to merge two sorted arrays.

```
#include <stdio.h>
                int main()
                                                                                                                                                           Merged Array: 1 2 3 4 5 6 7 8 9 10 11 15 30 40
Process returned 0 (0x0) execution time : 0.059 s
Press any key to continue.
                 int arr1[] = {1, 3, 5, 7, 9,11,15,30,40};
int size1 = sizeof(arr1) / sizeof(arr1[0]);
                int arr2[] = {2, 4, 6, 8, 10};
int size2 = sizeof(arr2[0]);
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                 int mArray[size1 + size2];
                 int i = 0, j = 0, k = 0;
                  for (i=0,j =0 ; i <size1 && j < size2 ; i++, j++)
                       if (arr1[i]<arr2[j])
                           mArray[k]=arr1[i];
mArray[k+1] = arr2[j];
                           mArray[k]=arr2[j];
                            mArray[k+1] = arr1[i];
     29
30
Study Materials\1Y 1S\CSE 1101 & 1102\Assignment #4\no-3.c
                                                                                                                                                       Windows (CR+LF) UTF-8
                                                                                                                                                                                                  Line 41, Col 6, Pos 746
```

```
File Edit View S
Start here
     27
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                          mArray[k]=arr2[j];
                          mArray[k+1] = arr1[i];
                                                                                                                                         Merged Array: 1 2 3 4 5 6 7 8 9 10 11 15 30 40
Process returned 0 (0x0) execution time : 0.059 s
Press any key to continue.
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                   while (i<size1)
                      mArray[k]=arr1[i];
                     k++;
i++;
                   while (j<size2)
                      mArray [k] = arr2[i];
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                   for (int x = 0; x < size1 + size2; x++)
                      printf("%d ", mArray[x]);
     50
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55
                                                                                                                             Windows (CR+LF) UTF-8 Line 46, Col 5, Pos 818 Insert Modified Read/Write default
  Study Materials\1Y 1S\CSE 1101 & 1102\Assignment #4\no-3.c
```

Problem No – 4

Title:

Write a program to read two matrixes from user into two different 2D array and multiply these two matrixes and finally display the result.

Problem No – 5

Title:

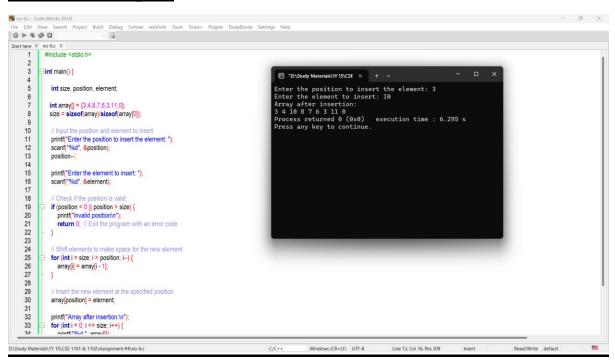
Write a program to display the numbers divisible by 4 or 7 from a 2D array of integers and find the sum of those numbers as well.

```
File Edit View S
        2
                 //Write a program to display the numbers divisible by 4 or 7 from a 2D array of integers and find the sum of those numbers as well
        3
                int main()
                   int i,j,sum=0;
                   int array[3][3] = { {1, 4, 2}, {3, 6, 8},{7,20,14} };
                                                                                                       53
Process returned 0 (0x0) execution time : 0.979 s
Press any key to continue.
                   for (i=0; i<3; i++)
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                      for (j=0; j<3; j++)
                         if (array[i][j]%7==0 || array[i][j]%4 ==0 )
                            printf("%d ",array[i][j]);
       16
                            sum =sum + array[i][j]
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                   printf("\n%d",sum);
                    return 0;
                                                                                                                               Line 21, Col 24, Pos 538
2:\Study Materials\1Y 1S\CSE 1101 & 1102\Assignment #4\no-5.c
```

Problem No – 6

Title:

Write a program insert an Element Desired or Specific Position in an Array.



Problem No-7

Title:

Write a program delete Element from an Array at a Desired or Specific Position.

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| No. Co. Colection (200) | Page 1 | State | Page 1 | State | Page 2 | State | Page 2 | State | Page 3 | State | Page 4 | Page 4
```