CSE 306: Algorithms Lab (Sec-2)

Department of Computer Science and Engineering

University of Liberal Arts Bangladesh

Course Title: Algorithms Lab	Course Code: CSE 306
Total Marks: 15	Time: 40 minutes

Name:	ID:	

1. Consider the following code:

10

```
#include <stdio.h>
#define size 1 4
#define size_2 3
int arr1[size_1] = { 10, 40, 50, 70 };
int arr2[size_2] = { 30, 80, 90 };
int final_arr[size_1 + size_2];
void merge()
{
        // write your solution here
}
int main()
{
        merge();
        int i;
        for (i = 0; i < size_1 + size_2; i++) printf("%d ", final_arr[i]);</pre>
        printf("\n");
        return 0;
}
```

Complete the function merge that merges the two sorted arrays arr1 & arr2 and stores the sorted values in the array final_arr.

SAMPLE INPUT	SAMPLE OUTPUT
	10 30 40 50 70 80 90

2. Interview 5