CS2092 Programming Lab

Test 2

Instructions to students.

1. All students should be present by **1.15 p.m.** at respective labs (as per the seating arrangement displayed on the notice board) for the lab test.
2. This lab test carries 30 marks. The test consists of three questions.
3. Question 1 will be given at 1.30 p.m. Question 2 will be given only after completion of Question 1 and Question 3 will be given only after completion of Question 2. Question 2 will not be given after 3.30 p.m. and Question 3 will not be given after 4.30 p.m.
4. Once the evaluation of Question 1 is completed students can approach corresponding evaluator for Question 2 and the same for Question 3.
5. At 4.00 p.m. all the students doing Question 1 should switch off the monitor. At 4.30 p.m. those students doing Question 2 should switch off the monitor. At 5.00 p.m. those students doing Question 3 should also switch off the monitor.
6. Mark distribution (Maximum marks – 30)
    a. Question 1 - 15 marks
        a. Design -5 marks
        b. Implementation – 5 marks
        c. Test cases -5 marks
    b. Question 2 - 10 Marks
        a. Design -2 marks
        b. Implementation – 3 marks
        c. Test cases -5 marks
    c. Question 3 - 5 Marks. (Marks will be provided only when all test cases are passed and the students who got the correct answer for Question 3 will be considered for **the next higher grade**).
7. We have 3 stages.
    a. Problem Understanding
    b. Design
    c. Implementation
8. Problem Understanding
    a. Make sure that you have understood the problem in all respects.
    b. If you need any clarification regarding questions then ask the faculties.

9. Design
    a. The design should contain how the problem is solved.
    b. Design should be written in C language or pseudocode.
    c. Use meaningful names for functions and arguments.
10. Implementation.
    a. The program should be done in the exam server only using C language. The exam login id **should be noted on the answer sheet.**
    b. The program file should be named in the format **ROLLNO_QuestionNo.c.** eg. B1500875_SETA1.c/B1500875_SETA2.c/B1500875_SETA3.c corresponding to SET A.
    c. For each function there should be a comment just above the definition of the function. The comment should state what the function does, its input(s) and output(s).
    d. Use proper indentation.
    e. Once you have verified all the possible input cases, inform the evaluator immediately.
    f. Verification would be purely on first-come-first-serve basis.
11. If you are **not getting correct output** for all the test cases during evaluation, then please make sure that you **write the complete C program in the answer sheet** provided and submitted before leaving the lab. The answer sheet will be evaluated later.