

Assignment 4- Structures and typedef

1. Write a menu driven program to read, display, add, and subtract two distances. Distance must be defined using kms and meters.

Example: The program should work as below:

```
***** MAIN MENU *****
```

1. Read the distances
2. Display the distances
3. Add the distances
4. Subtract the distances
5. EXIT

Enter your choice: **1**

Enter the first distance in kms and meters: **5 900**

Enter the second distance in kms and meters: **3 400**

The sum of two distances is: 8 kms 700 meters

Enter your choice: **3**

Sum of distances is : 9 Km 300 m

(3 Marks)

2. Declare a structure that represents the following hierarchical information.
 - a. Student Roll Number
 - b. Name (use typedef)
 - i. First name
 - ii. Middle Name
 - iii. Last Name
 - c. Date of Birth
 - i. Day
 - ii. Month
 - iii. Year
 - d. Marks of 3 subjects in an array. (Eng, Math and CS)

Write a program to accept and display all information for array of 5 students. Display average marks of all three subjects.

(4 Marks)