CSE108
LW 04

- **Using mobile phones, flash disks, internet and any other record or communication media is strictly forbidden during lab sessions. Throughout a lab session, all such media must be kept turned off and in a closed environment. Violation of this rule is punished with a grade 0, -100 or worse. Before doing anything else, make sure that your computer is not attached any such media.**
- **Make sure that you have deleted all of your work PARMANENTLY before leaving the first sessions.**

In this lab work, you will step by step implement a program which calculates number of days between any given dates. Code replication is not allowed in any part of your work. You should provide a driver code in main() function to test your functions for all parts.

PART-I (1 Point)
In this part you will write a function "numberOfDays" which takes a month any year and returns the number of days in that month. Your function should consider leap years. Its prototype should be as follows:

int numberOfDays(int month, int year)

e.g. numberOfDays(2, 2012) should return 29.

Part-II (2 Points)
In this part you will write a function "remainingDays" which returns the number of remaining days of a month after a specific date. It should has the following prototype:

int remainingDays(int day, int month, int year)

e.g. remainingDays(10, 2, 2016) should return 19.

Part-III (1 Point)
Write a function which takes 2 dates in a specific year and returns the number of days between the given dates. Your function should have the following prototype

int daysBtwDatesInAYear(int day1, int month1, int day2, int month2, int year)

e.g.   daysBtwDatesInAYear(5, 2, 6, 2, 2015) should return 1
        daysBtwDatesInAYear(5, 2, 4, 4, 2015) should return 58

Part-IV (1 Point)

Write a function which takes 2 dates and returns the number of days between the given dates. Your function should have the following prototype

int daysBtwDates (int day1, int month1, int year1, int day2, int month2, int year2)

e.g.   daysBtwDates (5, 2, 2006, 6, 3, 2008) should return 2221