

## CSI 121 – Structured Programming Language Assignment – 1

Write C programs for the following problems:

1. You are given date of birth of a person and current data as input. You have to find the approximate age of that person in years, months, and days. You need to consider that, 1 month = 30 days and 1 year = 365 days. You can't consider 1 year = 12 months because it will raise conflict.

Sample input format:

You have to take 6 integers as input (starting with day, then month and then year). The first 3 integers will be considered as date of birth and the next 3 integers will be considered as current date. You can assume valid date will be given as input.

Sample output format:

Age of the person with format (year, month and days)

Sample Input	Sample Output
15 2 2014 30 1 2016	1 year, 11 month and 20 days

2. You are given height of two persons as input. You have to find the height difference of the persons in feet and inches. You need to consider that, 1 feet = 12 inches.

Sample input format:

You have to take 4 integers as input (starting with feet and then inches). The first 2 integers will be considered as height of the first person, and the next 2 integers will be considered as height of the second person. You can assume valid height will be given as input.

Sample output format:

Height difference of the persons with format (feet and inches)

Sample Input	Sample Output
5 9 4 11	0 feet and 10 inches

3. You are given three integers as input. You have to swap the values circularly among them. You can only use one temporary variable.

Sample Input format:

You have to take three integers as input (starting with a, then b, and then c)

Sample output format:

a = value of a

b = value of b

c = value of c

Sample Input	Sample Output
5 6 7	a = 7 b = 5 c = 6