

# CL1002 – Programming Fundamentals Lab

## Exercise # 02

### Note:

- Submit a pdf/word file containing all of your C code with all possible screenshots of every task outputs on Google Classroom.
- Copied task will be awarded **zero** marks.
- Note that these lab task marks could be graded through a viva in lab.
- Please submit your file in this format (roll-no-name) i.e (22P-8743-Zain.pdf).

### Problem: 1

Write a Program in C for converting the value of feet into Inches.

### Problem: 2

Write a C program that takes quantity in kilogram and convert it into pounds.

1 kilogram = 2.20462 pounds

### Problem: 3

Write a C program to compute  $(a - b)^3$  where the value of a and b will be provided by the user.

The formula of  $(a - b)^3$  is given below.

$$(a - b)^3 = a^3 - b^3 - 3ab(a - b)$$

**Problem: 4**

Write a program that takes seconds from the user and displays the time in Hours, minutes and seconds' format.

E.g. if the user enters 3700, the output of the program should be

1 Hour 1 minute and 40 seconds.

**Problem: 5**

Write a program that takes seconds from the user and displays the time in Days, Hours, minutes and seconds' format.

if the user enters 3700, the output of the program should be 0 Day 1 Hour 1 minute and 40 seconds.

if the user enters 92000, the output of the program should be

1 Day 1 Hour 33 minute and 20 seconds.