

CL1002 – Programming Fundamentals Lab

Exercise # 02

Note:

- Submit a pdf 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 that takes feet from user convert it into Inches.

1 Feet = 12 inches

Problem: 2

Write a C program that takes quantity in pounds from user and convert it into grams.

1 pound = 453.592 gram

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.