

CL1002 – Programming Fundamentals Lab

Quiz # 01

Note:

- An individual may be assigned a straight-forward 0 if the submitted assessed task is copied/cheated from another individual/internet.
- Comments your code properly.
- Create a folder named as Roll number, name and section i.e (21P-8721_Zain_9A), copy all the files (Q1.c,Q2.c), in that folder and submit the folder.

Problem: 1

Write a program to declare an array of size 7, initialize the array with the user provided values (using scanf) and display the second minimum value in the array.

Problem: 2 | Special Pythagorean triplet

A Pythagorean triplet is a set of three natural numbers, $a < b < c$, for which,

$$a^2 + b^2 = c^2$$

For example,

$$3^2 + 4^2 = 9 + 16 = 25 = 5^2.$$

There exists exactly one Pythagorean triplet for which $a + b + c = 1000$.

Find the product abc .