CL1002 – Programming Fundamentals Lab

Exercise # 09

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 with this naming convention (roll-no-name) i.e (22P-8743-Zain.pdf).

Problem: 1

Write a program to declare an array of size 9, initialize the array with the user provided values (using scanf) and Count the elements of array that are prime numbers.

Problem: 2 | 2d Array

Write a program that simulates the rolling of two dice. The program should use rand to roll the first die and should use rand again to roll the second die. The sum of the two values should then be calculated. [Note: Each die can show an integer value from 1 to 6, so the sum of the two values will vary from 2 to 12, with 7 being the most frequent sum and 2 and 12 being the least frequent sums.] Figure shows the 36 possible combinations of the two dice. Your program should roll the two dice 1,000 times. Use a one-dimensional array to tally the numbers of times each possible sum appears. Print the result count.

	1	2	3	4	5	6
1	2	3	4	5	6	7
2	3	4	5	6	7	8
3	4	5	6	7	8	9
4	5	6	7	8	9	10
5	6	7	8	9	10	11
6	7	8	9	10	11	12