

Lab Test I

[Date: 20.1.2022 Time: 9:30 AM – 12:00 PM, Max. Marks: 100]

Write your Name, Roll Number, Address, Test-I-R (identity of this problem) in a header.

The test is open book, but you are strictly prohibited to communicate with any one in any form or copy from programs available externally during the lab test. If it is found, you will get zero in the test and -10 from the total.

Problem statement (write C-program):

Submit/upload your (i) C program, and (ii) output file.

Read the problem statement carefully.

Write a program which reads **N** (to be read) positive integers in an array, and prints the input and the list of pairs of co-prime numbers. Two numbers are co-primes, if GCD of them is 1. Implement a function **chekCoPrime(x,y)**, which returns **1** if **x** and **y** are co-primes, else returns **0**. Use this function in your program to print the list.

Run your program with the following data:

N=20

34 45 127 63 67 255 113 345 97 15 28 73 83 87 91 153 241 19567 1 17

Submit your program and output file.

Note: Your program may be evaluated with different sets of data.