

Lab 6

Objective: Using the constructs discussed in the class, develop C programs to solve the tasks below. Before starting to code, make sure to write a pseudocode or illustrate a flowchart for each of the problems.

Question 1: Given an array of user defined size. Write a program to sort the elements of the array in an ascending order.

Question 2: Write a program to calculate Greatest Common Divisor for 2 integers

- (a) Without recursion
- (b) With recursion

Question 3: Write a program to output all the prime numbers in a given array of user defined size. Your program should contain a function which takes an integer as argument and return 1 if it is prime and zero otherwise.