COMP 1011 Programming Fundamentals

Laboratory 2: Basic Elements of C

This lab is designed to get you familiar with some basic elements of C programming. More specifically, you will learn some data types, operators, and a simple branching statement. After this lab, you are expected to be able to solve simple calculation problems and print plain patterns.

Problem: Print "O" or "E"

• Problem description

Write a program to print different patterns according to parity (odd or even). Given two integer numbers a and b. If (a*b) - (a/b) is odd, then print "O". Otherwise, print "E".

• Input & output requirements

The two input numbers are separated by a space. Outputs of the program are expected to follow the format as shown in sample results.

• Sample results

Sample 1

• Tips:

- a) $1, 3, 5 \dots$ are odd numbers; and $2, 4, 6 \dots$ are even numbers. If (n%2 == 1), then n is an odd number.
- b) Any special cases, e.g., what if b = 0?