

ENGINEER 1D04
Engineering Computation
McMaster University, Winter 2010

Lab 5 Marked Assignment 2 Solution
Monday Lab

Revised: 5 February 2010

Correctness

Input	Output
0	0
89	2
92	6

Design Question

No. If a for loop is used as described in the **Implementation in C#** section, 0 does not have to be handled in a special way. The counter will be set to 0. Then the loop will be executed from 1 to 0, which means the loop's body will not be executed at all. And so the final value of the counter will be 0.

Testing Question

Yes. 0 is (1) a boundary point in the space of input values and (2) a special input value because 0 has no divisors. 0 should be a test case for either reason. [Either reason is sufficient for full marks.]