

CEN235 – DATA STRUCTURES

Fall – 2018

Lab 1: Basic C Programs

1. Write a program which reads N integers, then prints out the maximum of them. First it should read N, then the numbers.

Example:

INPUT	OUTPUT
4 12 52 31 14	52

2. Write a program which reads an integer, then return its factorial.

Example:

INPUT	OUTPUT
0	1
2	2
5	120

3. Write a program which reads two integers N, M, then prints an NxM rectangle with zeros inside, but ones on the edges.

Example:

INPUT	OUTPUT
4	111111
6	100001 100001 111111
3	11111
5	10001 11111