Assignment Set 7 (Uploaded on September xx, 2014)
Clarification deadline date: October 9, 2014
Submission deadline date: October 11, 2014

Problem 1: Write C code for the following problem:

A "big integer" is an integer whose digits are stored as
elements of
an array
(a) Represent integers with one digit per entry of an
array; [20]
(b) Compute addition, multiplication of two integers
stored as
"big integers"; the resultant should also be stored
as a "big integer". [60]
(c) Compute the factorial of n; where n is a positive
integer. n
should be stored as a "big integer". [40]

[Marks: 120{(a) to (c)} + 30 {Good programming habits} =
150]

Naming conventions for program files. xx is your roll
number:

For Problem 1:
The name of the src file for problem 1 of assignment 7
should be
``cs14xx-assign7-src-prog1.c''.

The name of the app file for problem 1 of assignment 5
should be
``cs14xx-assign7-prog1.c''.

The name of the include file for problem 1 of assignment 5
should be
``cs14xx-assign7-prog1.h''.

At the top of each of your program files, add the
following. If you are
writing multi-file programs, then each file should have
it.

```
/*----------------------------------------------------
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Name:
Roll Number:
Date of Submission:
Deadline date:
Program description:
Acknowledgements:
-----------------------------------------------------
----------*/
```