CSTE-1202-LAB-3-Revised List

Noakhali Science and Technology University
Course Title: Structured Programming Language Lab
Course Code: CSTE-1202

LAB-3: Decision Making & Looping (Revised List)

1.
Using for / while / do…while loop calculate the output of the following series:
12+32+52+ … + n2
2.
Write a program to compute the factorial of a given integer number.
3.
Two numbers x, y are entered through the keyboard. Write a program to find the value of
one number raised of the power of another i.e. xy.
4.
Given a number, write a program to reverse the digits of the number. For example, the
number 12345 should be written as 54321. Also calculate the sum of the digits of the

given integer number.
5.
Find the greatest common divisor (gcd) of the given two integer numbers.
Sample Input Sample Output(gcd)
12 18 6
78 1
6.
Write a program to produce each of the following output:

```
* ***** *****
** **** **
*** *** **
**** ** **
***** * *****
```

```
1 1 54321
22 12 4321
333 123 321
4444 1234 21
55555 12345 1
```

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