NATIONAL INSTITUTE OF TECHNOLOGY CALICUT
Department of Computer Science and Engineering
Winter Semester 2017-2018

CS2093 Hardware Laboratory

Assignment set1: Integer Handling

Instructions

- *All the assignments should be submitted through Eduserver.*

- *Pen drives are not permitted inside the lab.*

- *Practice problems will not be evaluated.*

Practice Questions.

1. Write a program to read a 1 digit number and find the square of it.

2. Write a program to read two 16 bit numbers add them and print also.

3. Read a single digit number and print multiplication table of the number.

4. Write a program to find LCM of two numbers using Euclids algorithm (non recursive).

Assignment Problems.

1. Write a program to print first five Fibonacci numbers.

2. Write a program to accept a number between 0 to 9 and find the sum of all numbers from 0 to that number.

3. Write a program to check whether a system is Little Endian or Big Endian.

   (Hint: For little endian lower-order byte of the data is stored in memory at the lowest address and for big endian higher-order byte is stored at lowest address.)

4. Write a program to read three 2-digit numbers and find the largest number among them.

5. Read two integers and print whether the first number is a multiple of the second.