IC150P Computation for Engineers Lab

Odd Semester, 2017
Assignment sheet no. 03, Batch – Wednesday   Topic: Recursive function

OBJECTIVES:

- To perform interactive input through keyboard and produce formatted output on screen
- To get started with defining and implementing recursive functions

ASSIGNMENT PROBLEMS:

Task-1: Using recursion check whether an entered number is palindrome or not. A palindrome number is a number that reads the same backwards as forwards.

Task-2: Using recursive procedure find the GCD and LCM of two entered numbers.

Task-3: Write a program to count the number of bits required to store a decimal number in binary using recursion.

NOTE:

- Each task carries 2 marks
- You are required to bring pseudo codes (and not full programs) for each of the tasks written in a notebook to the lab session and present them to the Instructors/TAs for evaluation
- The codes need to be created from scratch while you are in lab

REMEMBER:

- To use spaces and indentation to improve the readability of your code
- To add a comment block at the top of your code file stating your name, roll no., assignment and task no.
- To provide comments at appropriate places to aid lucid comprehension of modules