MCSE503P– Computer Architecture and Organisation Lab (L53+L54)

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<u>Lab Exercise No: 02</u>

(1) Study of the following:
    Parallel computing and parallel programming languages
    Introduction to Open MP

(2) Write a C-program using Open MP to print hello world.
    To print the following environment detail:
    Number of threads, Thread number, Number of processors and Maximum
    threads with sample message.

(3) Write a c-program using open MP to perform the arithmetic operations
    and logical operations between two integers using multiple threads and
    measure the time?

(4) Write a c-program using open MP to find the largest and smallest among
    three numbers using thread approach.
    [Analyse the time between serial and parallel approach]

(5) Write a C-program using Open MP to demonstrate the shared, private,
    first private, last private and thread private concepts.