



# University of Central Punjab

(Incorporated by Ordinance No. XXIV of 2002 promulgated by Government of the Punjab)

**FACULTY OF INFORMATION TECHNOLOGY**

## Operating Systems

### Graded Lab 3

CLO	CLO STATEMENT	Bloom's Taxonomy Level	PLO
1	Solve real-world problems skillfully with precision using programming constructs learned in theory with the course toolkit	P3	5

#### Task 1

Write a C program that inputs N numbers through command line parameters and passes N/2 of array elements to two threads. One thread will calculate 3<sup>rd</sup> maximum numbers from the array and return them to main function. Second thread will find the mean, median and mode from the array.

Note: Dynamic Memory Allocation is compulsory. Don't use any sorting Algorithm such as bubble sort to sort the array.