

**MCA 1<sup>st</sup> Semester Practical Sheet I**  
**Object Oriented Programming Methodology**  
**(Brush Up C)**  
**Submission Date : 6<sup>th</sup> December 2021, 3.00 pm**

1. Write a C program to print prime numbers between 1 and n.
2. Write a C program to calculate the LCM and HCF of two numbers.
3. Write a C program to calculate the factorial of a number using recursion.
4. Write a C program to multiply two matrices.
5. Write a C program to input n numbers and print them. (use dynamic memory allocation)
6. Write a C program to accept names of n students as input, store them and print them. No memory apart from the required should be allocated. (use dynamic memory allocation, hint pointer to a pointer)
7. Write a C Program to create a doubly linked list with all operations.
8. Add the file storing capability in the above program.