

**Instructions**

- All the programs must be compiled with `-Wall -Werror` flags.
- It is a closed notes and book exam.
- Understanding of questions is part of solution.
- **Basic checks(cases) are required handling even without mentioning them.**
- Submission Format:
  - Final1234.zip (last 4 digits of registration#)
  - Task#\_Name\_Section.c (# = 1,2)

**Task 1:** (Marks 20)

Write a C program that creates N threads to perform sum operation on two matrices of N X M sizes to form a resultant matrix of the same size. The numbers N and M should be passed as command-line arguments. The values of matrices can be initialized in the main thread.

**Task 2:** (Marks 20)

An international company requires communication mechanism between the customer and company employee. The duty of the company employee is to send commands (Integer Numbers) to the customer through a medium while the customer can read them. The limit for the commands is 20 so it is not possible to send more than 20 commands. The customer can only read a command if a new command is sent by the employee and the commands should be read in same order as they were sent by the employee. Display the commands on screen as they have been read by the customer.