**Task 1:**

You have to simulate the opening bridge that usually build upon river/sea. Take input from user: number of cars and number of boats Also input time (in seconds) needed by a boat to pass through bridge and time (in seconds) needed by car to pass through bridge You have only one bridge (Single Lane) Only one boat or car can pass through bridge at a particular time

Note: Use Mutex Lock in this task.

**Task 2:**

Write an amount withdrawal code that satisfies the condition that withdrawal is only possible when it is more than $500.

Note: - Use conditional Variable

**Task 3:**

Write a simple program that create two threads sender and receiver. The sender thread send a message string to receiver thread. This program uses condition variables to achieve synchronization.