



# Operating Systems Lab

## Semaphores

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### *Lab Task*

**Write a program to implement this scenario:**

There is a water filter which is adding **10L** water in one second/iteration and five persons that are getting water from filter each person getting **5L** in one second/iteration.

Implement this using Semaphores.

First solve with **binary semaphore** then you can consider that three persons can take water at the same time