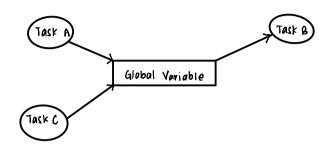
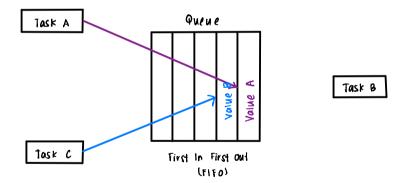
Queue

- Queue in real time operating system is a kernel object that is capable of passing information between tasks without incurring overwrites from other task.
- " It is a first in , first out (FIFO) system where items are removed from the queue once read.



- * One task change the value of global variable and another task read it.
- · What happens it another task also wonts to send same information to task B?
- · Queue allows to pass uninterrupted messages between tasks



- · Task A can copy some data to queue and it appear at the front of queue.
- · Using built-in kernel functions, writing to a quene is atomic which means another task connot interrupt it
- · Adding something to gueve is done by value, not by reference
- · Whenever save something to the queue, the entire content of that variables are copied
- . As long as there is enough memory, anything can be copied to them