Quiz 2

- Q1. What is the Mutual Exclusion?
- **Q2.** Describe the Strict Alternation as a solution for Mutual Exclusion.

Figure 1 A proposed solution to the CR problem. (a) Process 0, (b) Process 1

Q1. What is the Mutual Exclusion?

Q2 Explain the Peterson's solution for Mutual Exclusion.

```
#define FALSE 0
#define TRUE 1
#define N
                                     /* number of processes */
int turn;
                                     /* whose turn is it? */
                                     /* all values initially 0 (FALSE) */
int interested[N];
void enter_region(int process):
                                     /* process is 0 or 1 */
     int other;
                                     /* number of the other process */
     other = 1 - process:
                                     /* the opposite of process */
     interested[process] = TRUE;
                                     /* show that you are interested */
     turn = process:
                                     /* set flag */
    while (turn == process && interested(other) == TRUE) /* null statement */;
1
void leave_region(int process)
                                     /* process: who is leaving */
    interested[process] = FALSE; /* indicate departure from critical region */
]
```

Figure 2: Peterson' solution for achieving mutual exclusion