Reader Writer Problem:

- **Reader-Reader: No clash**
- **Reader-Writer: Clash**
- **Writer-Writer: Clash**
- wait()--> ++; signal()--> -- ;
- Semaphores:
  wrt = 1(binary); **mutex**(sync between different readers, binary) = 1;
- Variable: **readcount** = 0;

For Writer	For Reader

wait(wrt);
 	
　Write Operation;
 	
signal(wrt);
	wait(mutex);
	readcount++;
	if(readcount == 1) //first reader
	　　wait(wrt);
	signal(mutex);
	
	　Read Operation;
	
	wait(mutex);
	readcount--;
	if(readcount == 0) //last reader
	　　signal(wrt);
	signal(mutex);