Excercise 2 – Shared Memory

This is an experiment based on memory sharing. Memory sharing has many benefits, but it does not transfer information asynchronously compared to advanced transfer methods, and involves a conflict between two processes, so here I use fork functions and semaphores to create new processes and control the order in which information is transferred.

Run the following command:

```
cd ex2
docker build -t lab1_ex2 .
docker run --rm -ti -v $(pwd)/:/root/lab lab1_ex2 /bin/bash -c " cd /root/lab;
gcc -o ex2 ex2.c -lrt; ./ex2 "
```