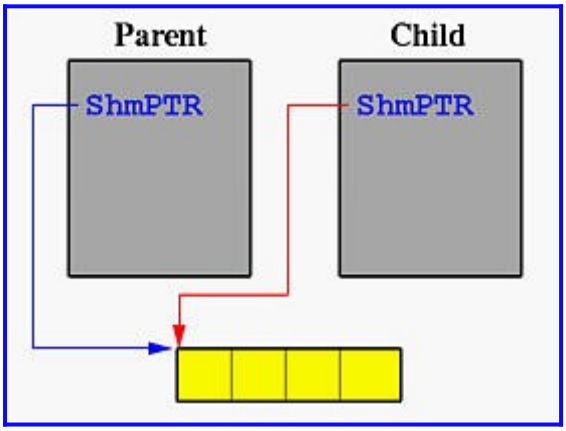
ANKARA UNIVERSITY
COMPUTER ENGINEERING DEPARTMENT
BLM/COM3035
LAB 1

TR: Programınız “Private Shared Memory” kullanan Parent ve Child processleri içermelidir. Parent Processten girdi olarak verilen 4 integer sayıyı önce Shared Memorye yazdırılmalıdır. Parent processten elde edilmiş child process ile bu sayıların toplamı elde edilip bu toplama parent processten ulaşılıp yazdırılmalıdır. Verilen ekran görüntüsündeki algoritma akışı elde edilmelidir.

Not: Ödeviniz C Programlama dili ile yazılıp beklenen çıktı hariç herhangi bir ifade eklenmemelidir. Ödevinizi diff komutu ile kontrol ettikten sonra ÖğrenciNumarası.c dosyası şeklinde yüklemelisiniz. Programınız kopya kontrolünden ve tek tek okuyarak kontrolden geçirilecektir.

```
Server has received a shared memory of four integers...
Server has attached the shared memory...
Server has filled 4 5 6 9 in shared memory...
Server is about to fork a child process...
   Client process started
   Client found 4 5 6 9 in shared memory
   Client sum of shared integer values 24
   Client is about to exit
Server has detected the completion of its child...
Parent sum of shared memory 24
Server has detached its shared memory...
Server has removed its shared memory...
Server exits...
```



ENG: Your program should contain Parent and Child processes using "Private Shared Memory". The 4 integer numbers given as input from the Parent Process must first be printed into the Shared Memory. The sum of these numbers should be obtained with the child process produced from the parent process, and this sum should be accessed from the parent process and printed.The algorithm flow in the screenshot given should be obtained.

Note: Your homework should be written in C Programming language and no statements should be added except for the expected output. After checking your assignment with the diff command, you should upload it as StudentNumber.c file. Your program will be checked for copy and read one by one.