

## **Lab 4**

1. Write two programs: one called client.c, the other called server.c. The client program lists a prompt and reads from the keyboard two integers and one of the characters '+' or '-'. The read information is transmitted with the help of the system call `write` to a child process, which executes the server code. After the child (server) process finishes the operation, it transmits the result to parent process (client) with the help of the system call `read`. The client process prints the result on the screen and also reprints the prompt, ready for a new reading.

2. Test the source code below:

```
for ( i=1;i≤10;i++) {  
    fork ( );  
    printf ("The process with the PID=%d",getpid( ));  
}
```

In the next phase, modify the code, such as after all created processes have finished execution, in a file process management.txt the total number of created processes should be stored.

3. Write a program to implement signal handling.
4. Write a program to implement blocking of signal.