OS Lab 5:

Process

System call:

Those functions which invokes kernel service.

In Linux, process structure is hierarchal.

When program converts to process, it goes to RAM from hard disk.

And the memory is allocated to it which is called process image or memory footprint.

The memory is divided into two sections text area and data area.

Your code is copied into in machine code to the text area and in data area the memory for variables in your code is created.

Child process inherits text area and data area from parent process.

Fork() process is called in parent but when returns value it returns to the both of fork() in chils as well as parent.

Fork() Prototye:

Int fork();

Returns -1 if fork fails to create new process.

Returns >0 if it returns value to the parent process.

Returns 0 to child process.

Close() prototype:

Int close(int);

perror shows the reason why the error occurred.