Simple shell

Operating Systems Lab#1

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Program flow & organization:

The program simply a program that conveniently allows you to run other programs.

In order to do this task, the program simply do the following:

* Get, read, the input from the user
* Prepare the command to be executed
* fork
* Execute the command

Get the input:

Using getline() function in C standard library.

Prepare the command to be executed:

Here we transform the “char\* command “ into “char\*command[]” to map the parameters of execvp() function.

Graphical user interface, text, application

Description automatically generated

Forking and executing :

Fork using fork() and execute using execvp() child process.

Graphical user interface, text, application, email

Description automatically generatedSample runs:

Graphical user interface

Description automatically generatedGraphical user interface, text, application

Description automatically generated