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Lab_03 : My shell "gsh"

- Prompt with current working directory is implemented using getcwd()
- The user is allowed to use both relative and absolute paths
- The execution of the background processes is supported For example,

\$./cpu &

This runs the command in the background

- The history of the command is maintained using the history array. I tracked the
 processes using start_history and end_history. The idea behind using an array is to
 mimic a circular linked list, but that is implemented using a simple array with two
 pointers. Whenever user access the array, required manipulations are done using
 start history and end history and the proper matching index is found
- Support for commands of type ! num is implemented. num can be both positive and negative. The array **history** is used in the implementation.
- Built-in commands cd, history, exit are implemented
- Support for pipes is implemented

Compilation:

Install readline library, as this shell uses the library function readline() to format input from the user

sudo apt-get install libreadline-dev gcc -o gsh gsh.c -lreadline

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./gsh