

```

#include <stdlib.h>
#include <stdio.h>
#include <signal.h>
#include <string.h>

int main(int argc, char **argv) {

    // Set the prompt
    .....

    // User input infinite loop
    while (1) {
        printf(prompt);

        // Get user input
        fgets( ... );
        .....

        // ----- Builtin Commands -----
        if (strcmp(input, "exit") == 0) {
            return 0;
        } else if (strcmp(input, "pid") == 0) {
            printf("Shell Process ID: %d\n", getpid());
        }
        .....
        else {
            // ----- Non-Builtin Commands -----
            nonBuiltin(input);
        }
    }

    return 0;
}

// ----- Helper Functions -----
int nonBuiltin(char input[]) {
    .....
}

```