Activity 4

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```
• • •
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
#include <sys/wait.h>
int main(int argc, char *argv[])
    pid_t pid;
    if (argc < 2) {
        printf("Please enter UNIX command\n");
        return(0);
    pid = fork();
    if (pid < 0) {
        printf("Error: cannot fork\n");
        exit(1);
    else if (pid == 0) {
        execvp(argv[1],&argv[1]);
    else {
        wait(NULL);
        return(0);
```

ผลลัพธ์

```
miuleto@DESKTOP-4M7DPRK:~$ sol1

Please enter UNIX command

miuleto@DESKTOP-4M7DPRK:~$ sol1 date

Fri Jan 31 14:29:43 +07 2025

miuleto@DESKTOP-4M7DPRK:~$ sol1 head -1 /etc/passwd

root:x:0:0:root:/root:/bin/bash

miuleto@DESKTOP-4M7DPRK:~$ sol1 cal 12 2021

December 2021

Su Mo Tu We Th Fr Sa

1 2 3 4

5 6 7 8 9 10 11

12 13 14 15 16 17 18

19 20 21 22 23 24 25

26 27 28 29 30 31

miuleto@DESKTOP-4M7DPRK:~$
```

```
#include <stdio.h>
#include <stdio.h>
#include <stdio.h>
#include <unistd.h>
#include <string.h>

int main()
{
    char delim[] = " \t\n";
    char **tokens;
    char input[256];
    int numtokens;
    int run = 1;

    while(run) {
        printf("mysh >");
        fgets(input, 256, stdin);

        numtokens = tokenize(input, delim, &tokens);
        if (numtokens <= 0) {
            continue;
        }

        if (strcmp(tokens[0], "exit") == 0) {
            free(tokens);
            break;
        }

        pid_t pid = fork();
        if (pid < 0) {
            printf("Fork failed\n");
            free(tokens);
            continue;
        } else if (pid == 0) {
                execvp(tokens[0], tokens);
        } else {
            wait(NULL);
        }
        free(tokens);
    }

    return 0;
}</pre>
```

ผลลัพธ์

```
miuleto@DESKTOP-4M7DPRK:~$ sol2
mysh >date
Fri Jan 31 15:04:13 +07 2025
mysh >cal 12 2021
   December 2021
Su Mo Tu We Th Fr Sa
          1
             2
                3
          8
    6
       7
             9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31
mysh >exit
miuleto@DESKTOP-4M7DPRK:~$
```