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#include<fcntl.h>
#include<unistd.h>
#include<stdio.h>
#include<string.h>
#include<dirent.h>
#include<ftw.h>
#include<signal.h>
#include<stdlib.h>
#include<sys/types.h>
#include<sys/wait.h>
#include<sys/stat.h>
#include<sys/mman.h>
#include<sys/ipc.h>
#include<sys/msg.h>
#include<sys/sem.h>

#define BUFSIZE 512

int main(void){
    char in[50], *res[20]={0};
    int i, status,n;
    pid_t pid,bid=0;

    while (1){
        printf("> ");
        gets(in);
        if (in[0]=='\0')
            continue;
        i=0;
        res[i]=strtok(in, " ");
        while (res[i]){
            res[++i]=strtok(NULL, " ");
        }

        if (strcmp(res[0], "exit")==0){
            if(bid){
                wait(0);
                printf("BACKUP 종료 확인\n");
            }
            exit(0);
        }

        else if (strcmp(res[0], "cd_m")==0){
            chdir(res[1]);
        }

        else if (strcmp(res[0], "backup_m")==0){
            if ((bid=fork())==0){
                execvp(res[0],res);
                exit(0);
            }
        }
        else{
            if ((pid=fork())==0){
                execvp(res[0],res);
                exit(0);
            }
        }
    }
}

```

```
    }  
    else{  
        waitpid(pid,&status,0);  
    }  
}  
  
waitpid(bid,&status,WNOHANG);  
if(bid){  
    bid = 0;  
    printf("BACKUP 종료 확인\n");  
}  
}  
  
return 0;  
}
```