

```

1  #include <stdio.h>                                /* for strlen() */
2
3  #include <stdlib.h>
4
5  #include <unistd.h>                                /* for fork() */
6
7  #include <sys/wait.h>                              /* for waitpid() */
8
9  #include <signal.h>
10
11 #define MAXLINE 4096
12
13 void sig_int(int signo)
14 {
15     printf("Why Ctrl-c?\n ");
16 }
17
18 int main(void)
19 {
20     char buf[MAXLINE];
21     pid_t pid;
22     int status;
23
24     if (signal(SIGINT, sig_int) == SIG_ERR)
25         perror("signal");
26
27     printf(" ");
28     while (fgets(buf, MAXLINE, stdin) != NULL) {
29         buf[strlen(buf) - 1] = '\0'; /* null */
30
31         if ( (pid = fork()) == 0 ) { /* child */
32             execlp(buf, buf, (char *)0);
33             perror("execlp");
34             exit(127);
35         }
36
37         if ((pid = waitpid(pid, &status, 0)) < 0)
38             perror("waitpid");
39         printf(" ");
40     }
41     exit(0);
42 }

```