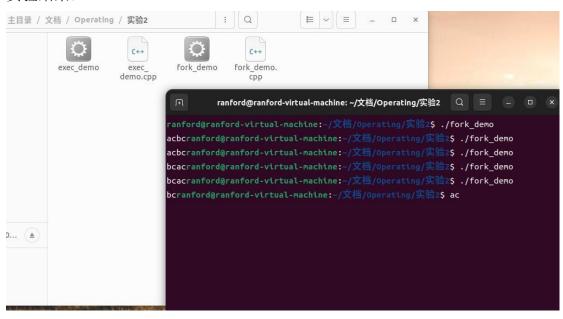
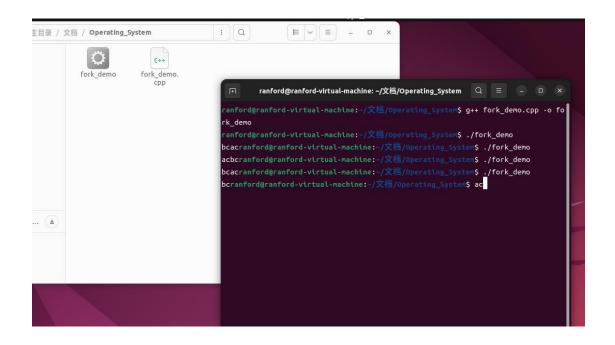
## (1)任务一:进程的创建实验代码:

```
#include <stdio.h>
#include <stdlib.h>
#include<time.h>
#include<unistd.h>
int main()
{
 int x;
 srand((unsigned)time(NULL));
 while((x=fork())==-1);
 if (x==0)
 {
sleep(rand() % 2);
printf("a");
 }
 else
sleep(rand() % 3);
printf("b");
 }
 printf("c");
 return 0;
```

## 实验结果:





## (2) 任务二: 子进程执行新任务

```
实验代码:
#include<sys/types.h>
#include<sys/wait.h>
#include <stdio.h>
#include <unistd.h>
#include<time.h>
int main()
pid_t pid;
/* fork a child process */
pid = fork();
if (pid < 0)
{ /* error occurred */
fprintf(stderr, "Fork Failed");
return 1;
else if (pid == 0)
{ /* 子进程 */
execlp("/bin/ls","ls",NULL);
else { /* 父进程 */
/* 父进程将一直等待,直到子进程运行完毕*/
wait(NULL);
printf("Child Complete");
return 0;
```

## 实验结果:

