

# Task 11 IPC Message Passing

Name: Muhammad Sherjeel Akhtar

Roll No: 20p-0101

Subject: Operating Systems Lab

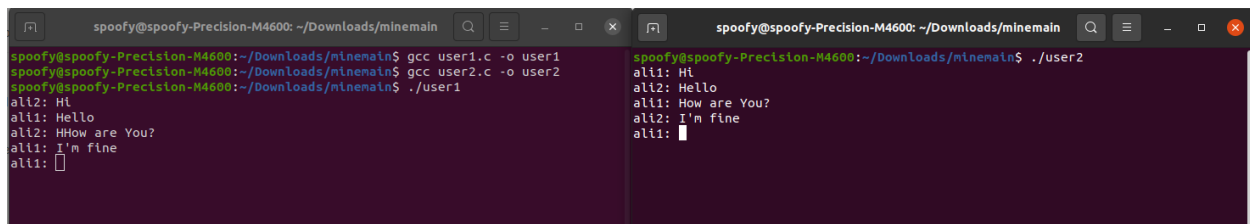
Submitted To Respected Sir: Muhammad Ahsan

Section: BCS-4A

---

786

## TASK 1 Demo:



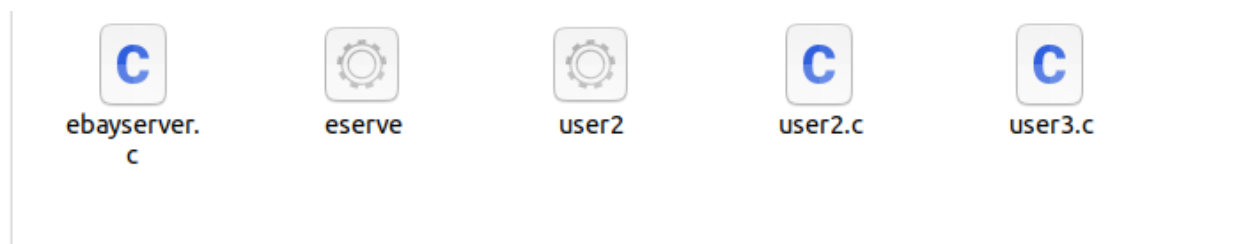
The screenshot shows two terminal windows side-by-side. The left window is titled 'spoofy@spoofy-Precision-M4600: ~/Downloads/minemain' and shows the compilation of two C programs, user1.c and user2.c, and the execution of user1. The output shows a conversation where user2 says 'Hi', user1 says 'Hello', user2 asks 'How are You?', and user1 responds 'I'm fine'. The right window is also titled 'spoofy@spoofy-Precision-M4600: ~/Downloads/minemain' and shows the execution of user2. The output shows user1 saying 'Hi', user2 saying 'Hello', user1 asking 'How are You?', and user2 responding 'I'm fine'.

```
spoofy@spoofy-Precision-M4600: ~/Downloads/minemain$ gcc user1.c -o user1
spoofy@spoofy-Precision-M4600: ~/Downloads/minemain$ gcc user2.c -o user2
spoofy@spoofy-Precision-M4600: ~/Downloads/minemain$ ./user1
ali2: Hi
ali1: Hello
ali2: HHow are You?
ali1: I'm fine
ali1: 
spoofy@spoofy-Precision-M4600: ~/Downloads/minemain$ ./user2
ali1: Hi
ali2: Hello
ali1: How are You?
ali2: I'm fine
ali1: 
```

## Task 2 Demo:

```
spoofy@spoofy-Precision-M4600: ~/Downloads/minemain/Ta...  
spoofy@spoofy-Precision-M4600:~/Downloads/minemain/Task 2$ ./user2  
Received message from user 1: Hello from user 1!
```

```
spoofy@spoofy-Precision-M4600: ~/Downloads/minemain/Ta...  
spoofy@spoofy-Precision-M4600:~/Downloads/minemain/Task 2$ gcc user2.c -o user2  
spoofy@spoofy-Precision-M4600:~/Downloads/minemain/Task 2$ gcc ebayserver.c -o e  
serve  
spoofy@spoofy-Precision-M4600:~/Downloads/minemain/Task 2$ ./eserve  
Received message from user 3: Hello from user 2!  
spoofy@spoofy-Precision-M4600:~/Downloads/minemain/Task 2$
```



**FIN!!!**