

Question 2.2 (Server\Client)

1. הרצת השרת (השרת במצב מאזין).

```
Select lior@DESKTOP-8CP0JPA: /mnt/d/Computer Science/Current/Operation System/Assignments/Final Work/Q2/2.2
lior@DESKTOP-8CP0JPA:/mnt/d/Computer Science/Current/Operation System/Assignments/Final Work/Q2/2.2$ clear
lior@DESKTOP-8CP0JPA:/mnt/d/Computer Science/Current/Operation System/Assignments/Final Work/Q2/2.2$ make runServer
./myServer
Listening...
```

2. נחפש את ה-'pid' של השרת בעזרת הפקודה 'ps -ux'.

```
lior@DESKTOP-8CP0JPA:/mnt/d/Computer Science/Current/Operation System/Assignments/Final Work/Q2/2.2$ ps -ux
USER      PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
lior         8  0.0  0.0  17044  3756 tty1      S   04:57   0:00 -bash
lior        43  0.0  0.0  16912  3692 tty2      S   04:57   0:00 -bash
lior       123  0.2  0.0  14320  1280 tty1      S   05:12   0:00 make runServer
lior       124  0.0  0.0  10540   544 tty1      S   05:12   0:00 ./myServer
lior       125  0.0  0.0  17648  2056 tty2      R   05:12   0:00 ps -ux
```

3. נריץ את ה-Client ונשלח אליו את מספר המזהה של השרת (124), את מספר הסיגנל (2) ואת מספר הסיגנלים (10000).

```
lior@DESKTOP-8CP0JPA:/mnt/d/Computer Science/Current/Operation System/Assignments/Final Work/Q2/2.2$ make compileClient
gcc -o client client.c
lior@DESKTOP-8CP0JPA:/mnt/d/Computer Science/Current/Operation System/Assignments/Final Work/Q2/2.2$ ./client 124 2 10000
10000 signals sent to pid 124
```

4. עכשיו, נריץ את ה-Client עם הסיגנל (10), כך שיבקש מה-Server להראות לנו כמה סיגנלים הוא תפס.

```
Select lior@DESKTOP-8CP0JPA: /mnt/d/Computer Science/Current/Operation System/Assignments/Final Work/Q2/2.2
lior@DESKTOP-8CP0JPA:/mnt/d/Computer Science/Current/Operation System/Assignments/Final Work/Q2/2.2$ make compileClient
gcc -o client client.c
lior@DESKTOP-8CP0JPA:/mnt/d/Computer Science/Current/Operation System/Assignments/Final Work/Q2/2.2$ ./client 124 2 10000
10000 signals sent to pid 124
lior@DESKTOP-8CP0JPA:/mnt/d/Computer Science/Current/Operation System/Assignments/Final Work/Q2/2.2$ ./client 124 10 1
```

5. התגובה של ה-Server :

```
lior@DESKTOP-8CP0JPA:/mnt/d/Computer Science/Current/Operation System/Assignments/Final Work/Q2/2.2$ make runServer
./myServer
Listening...
I've received 5303 signals
```

*** ניתן לראות כי שלחנו 10000 סיגנלים ל-Server והוא תפס רק 5303 ***