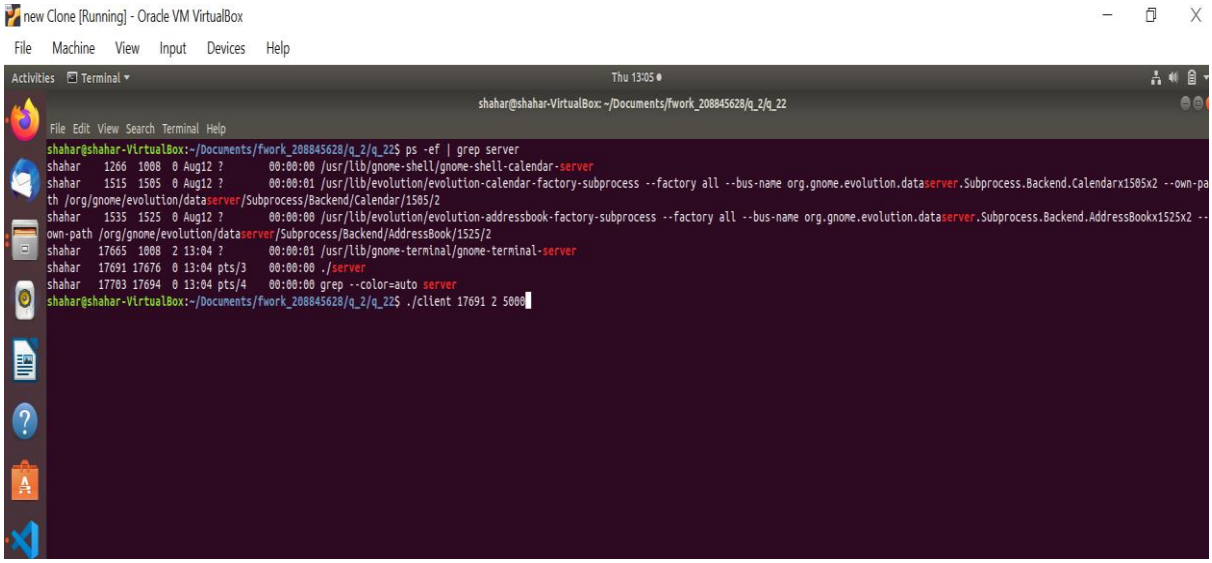
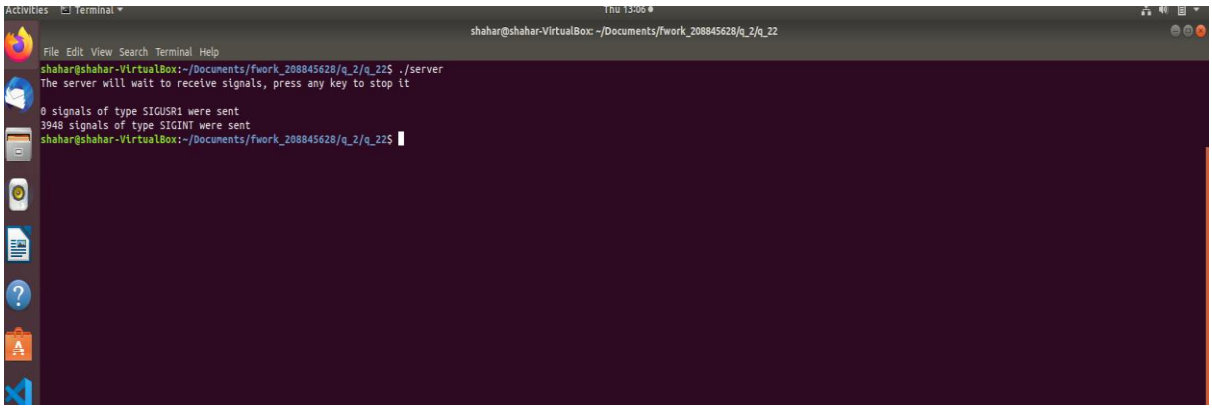
Question 2_2:

1)





In the first terminal I ran the server and waited the client will send signals.

Meanwhile I used the ps -ef | grep command to find the server's pid and used it to run the client.

In the screenshots we can see that less signals was received than the signals we have sent.

2)

Standard signals :

Disadvantage- Process can handle only one instance of a given single type in the same time, other signals are not queued, the system will ignore them till the process finishes handling the current one.

Advantage- Standard signals are a fixed list, and can be identified in the code by a fixed number. No need to check if the signal number is supported by the system or not.

Real Time signals :

Advantage - Real time signals of same type can be queued and they are not ignored while the process is handling an instance of the single type

Disadvantage - We can't refer to real time signals by using fixed numbers like we do in standard signals, we have to use the SIGRTMIN + a number, and always do check that we didn't exceeded SIGRTMAX