# **Assignment 7(a): Signal**

Implementing signals for Inter-process communication in a C program:

- a. Signals are limited forms of IPC
- b. Signals are asynchronous notifications sent to a process/thread.

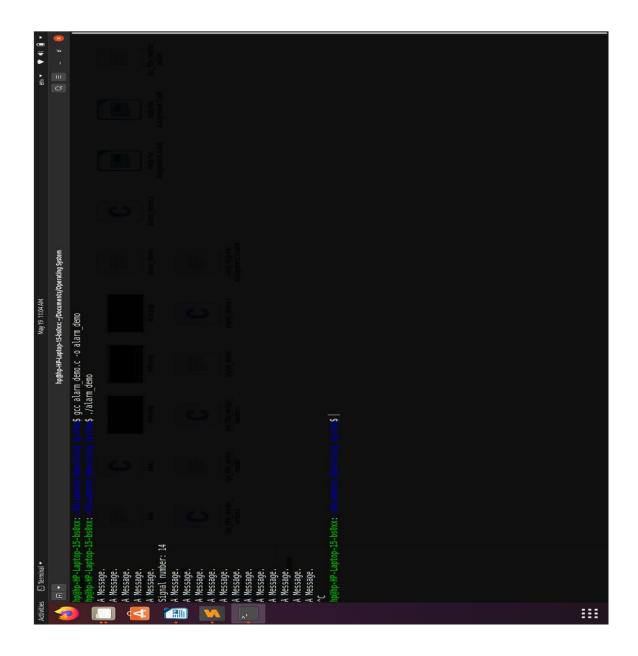
```
C function used to create unnamed pipes:
     #include <signal.h>
     typedef void (*signalhandler_t)(int);
     signalhandler_t signal(int signal_num, signalhandler_t
handler);
Sample code:
// C program to illustrate
void fun1(int signum) {
    printf("Signal number: %d\n", signum); // whatever you want
to do to handle the signal
int main() {
     signal(SIGINT, fun1);
     while (1) {
         printf("A Message.\n");
          sleep(1); // to sync the output
}
Output:
```

# **Assignment 7(b): Alarm Signal**

To send Alarm signal from one process/thread to another use "kill" system call.

### Sample code:

### Output:



# **Assignment 7(c): Alarm Signal**

To send Alarm signal from one process/thread to another use "kill" system call.

### Sample code:

Output:

