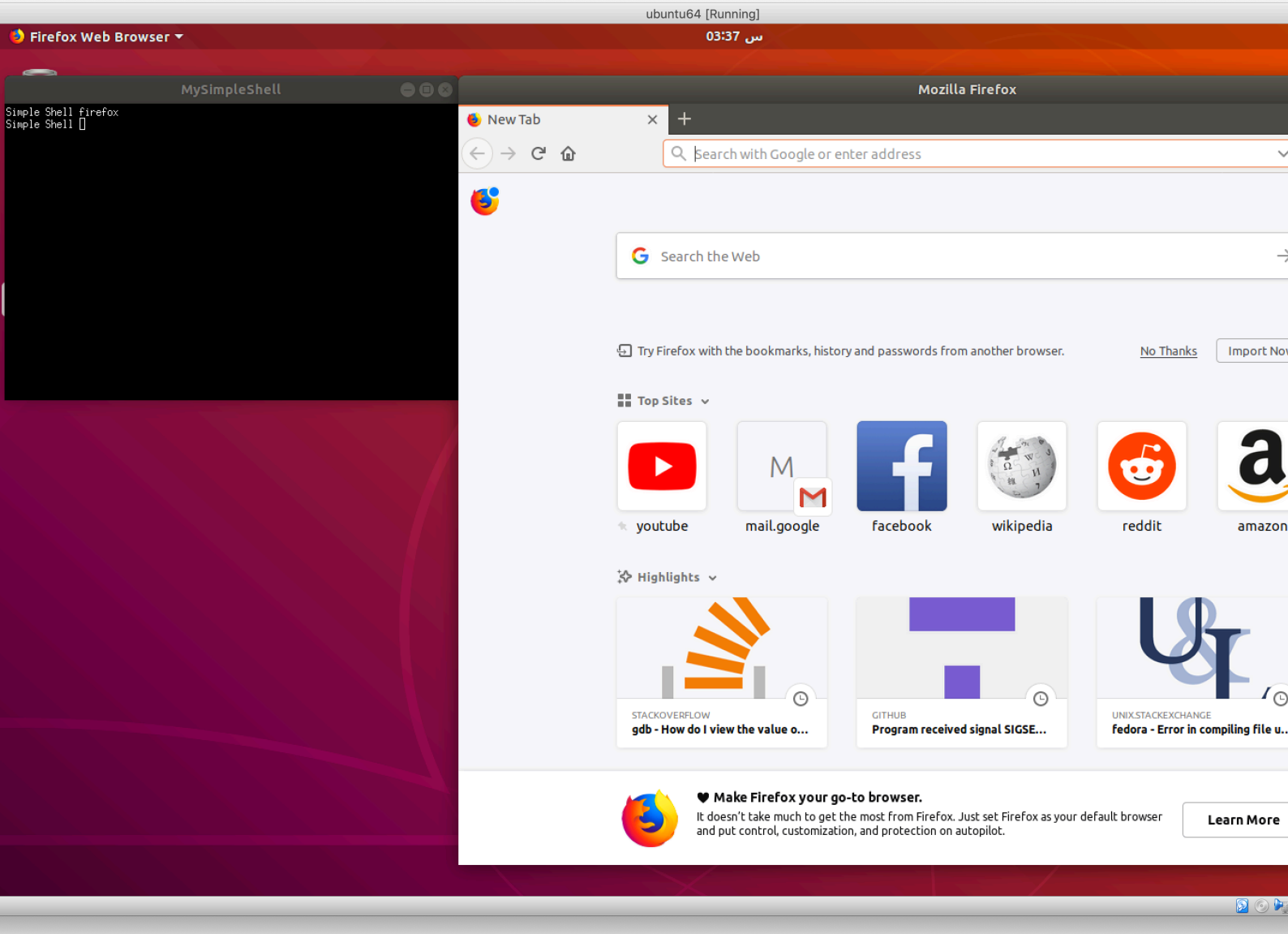
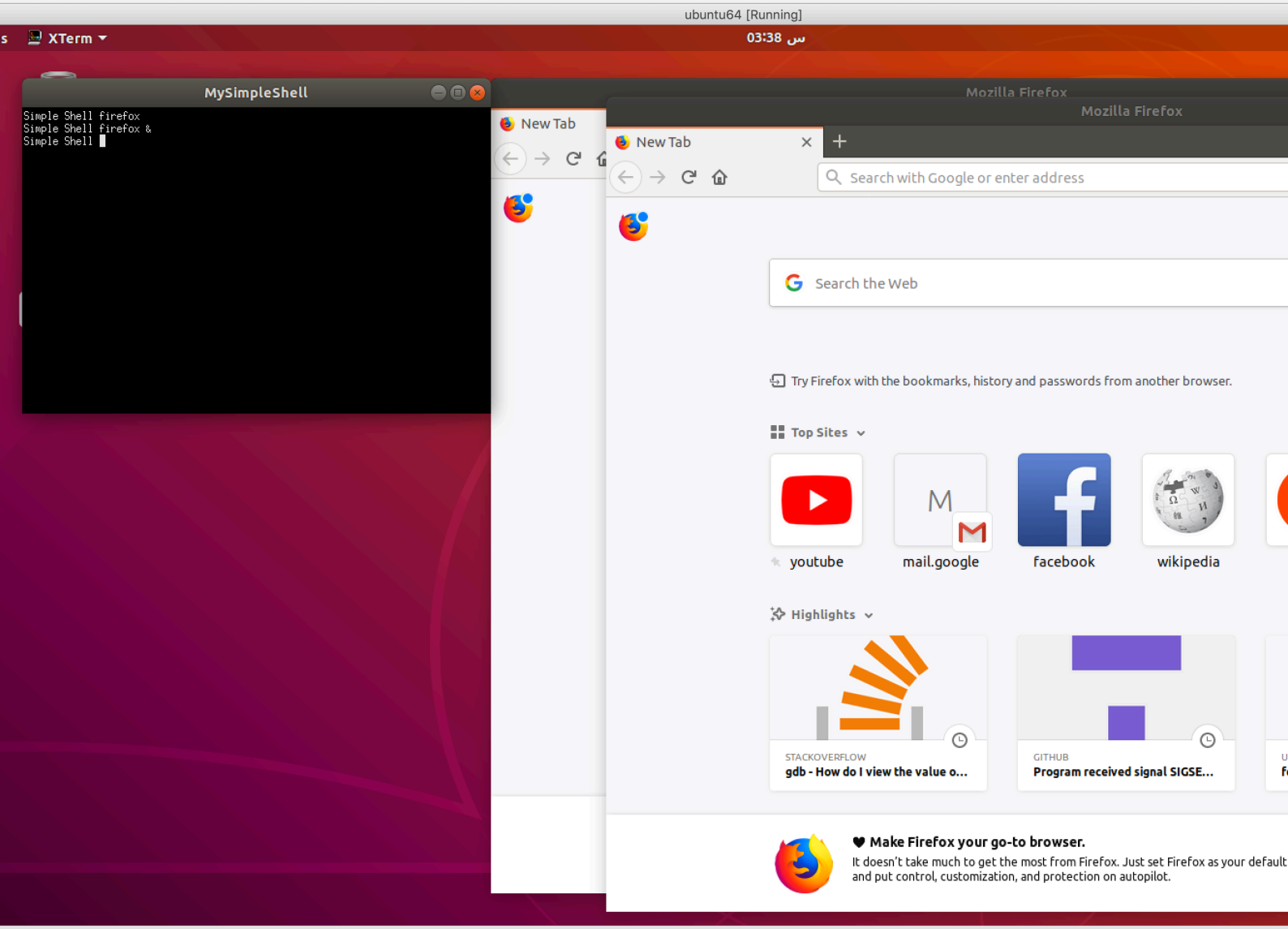
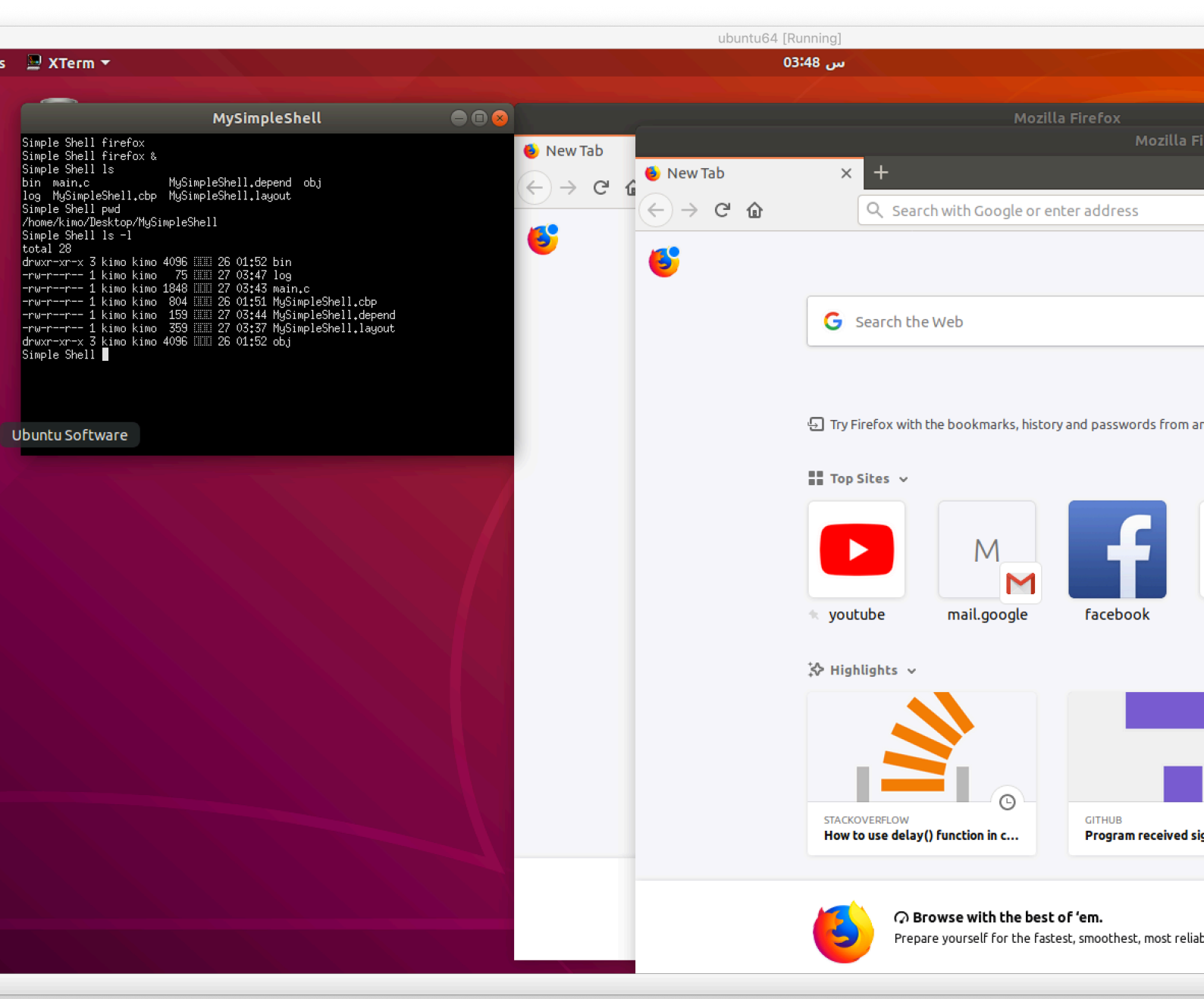
Karim Fathy 4269

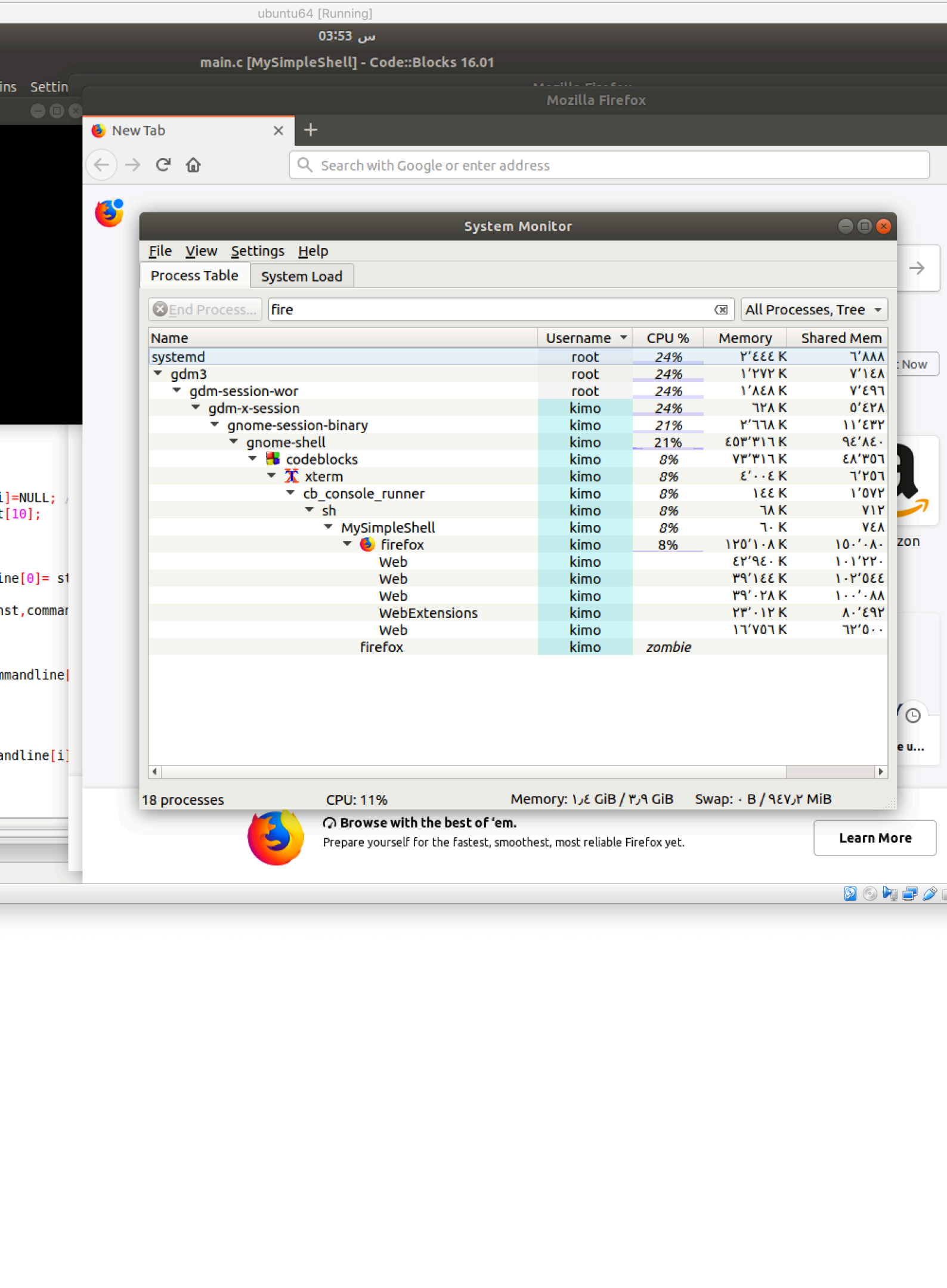
Simple Shell

Sample runs:

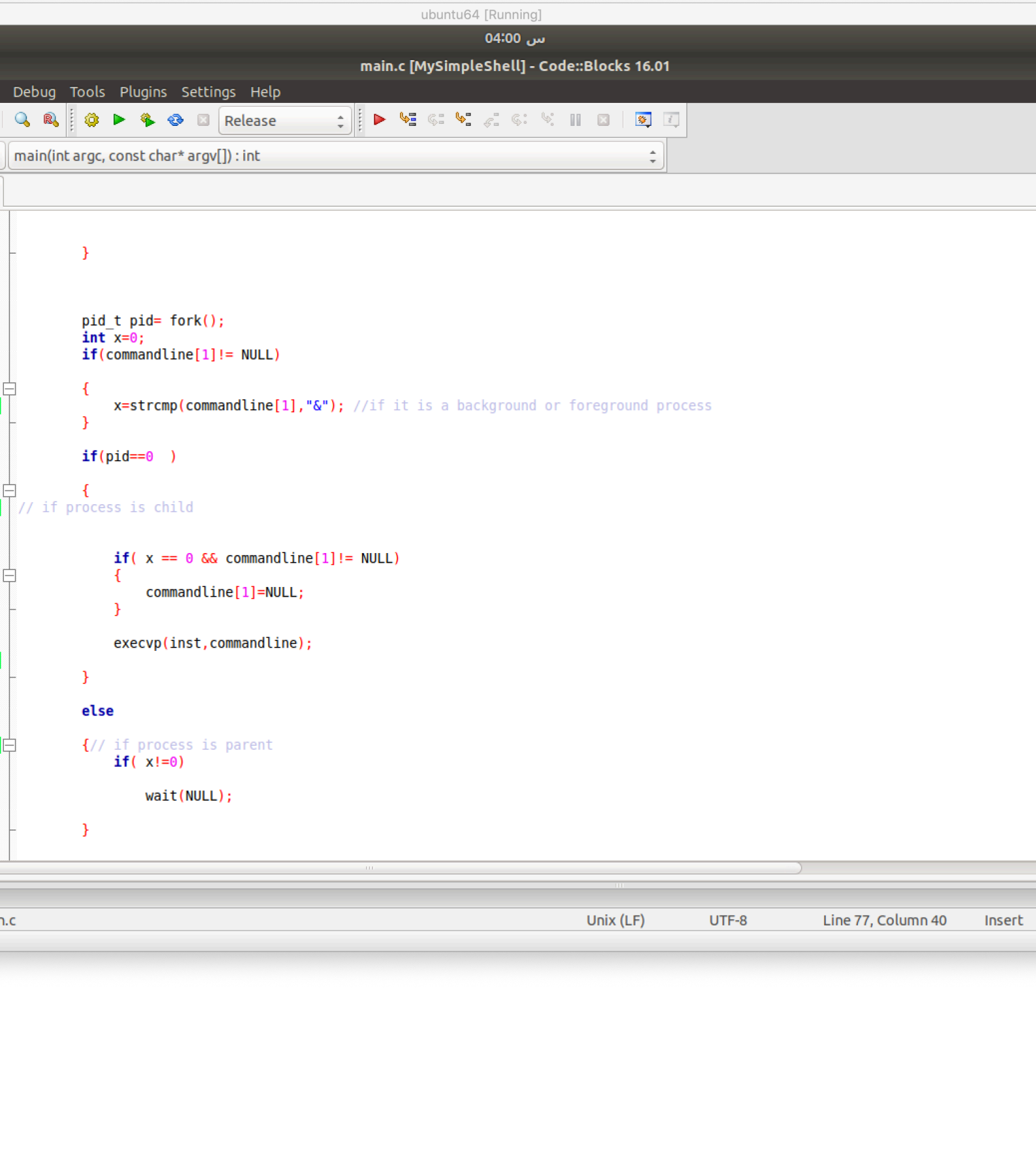



ubuntu64 [Running]
XTerm
03:38 س
MySimpleShell
Simple Shell firefox
Simple Shell firefox &
Simple Shell
Mozilla Firefox
New Tab
Search with Google or enter address
Search the Web
Try Firefox with the bookmarks, history and passwords from another browser.
Top Sites
youtube
mail.google
facebook
wikipedia
Highlights
STACKOVERFLOW
gdb - How do I view the value o...
GITHUB
Program received signal SIGSE...
Make Firefox your go-to browser.
It doesn't take much to get the most from Firefox. Just set Firefox as your default and put control, customization, and protection on autopilot.

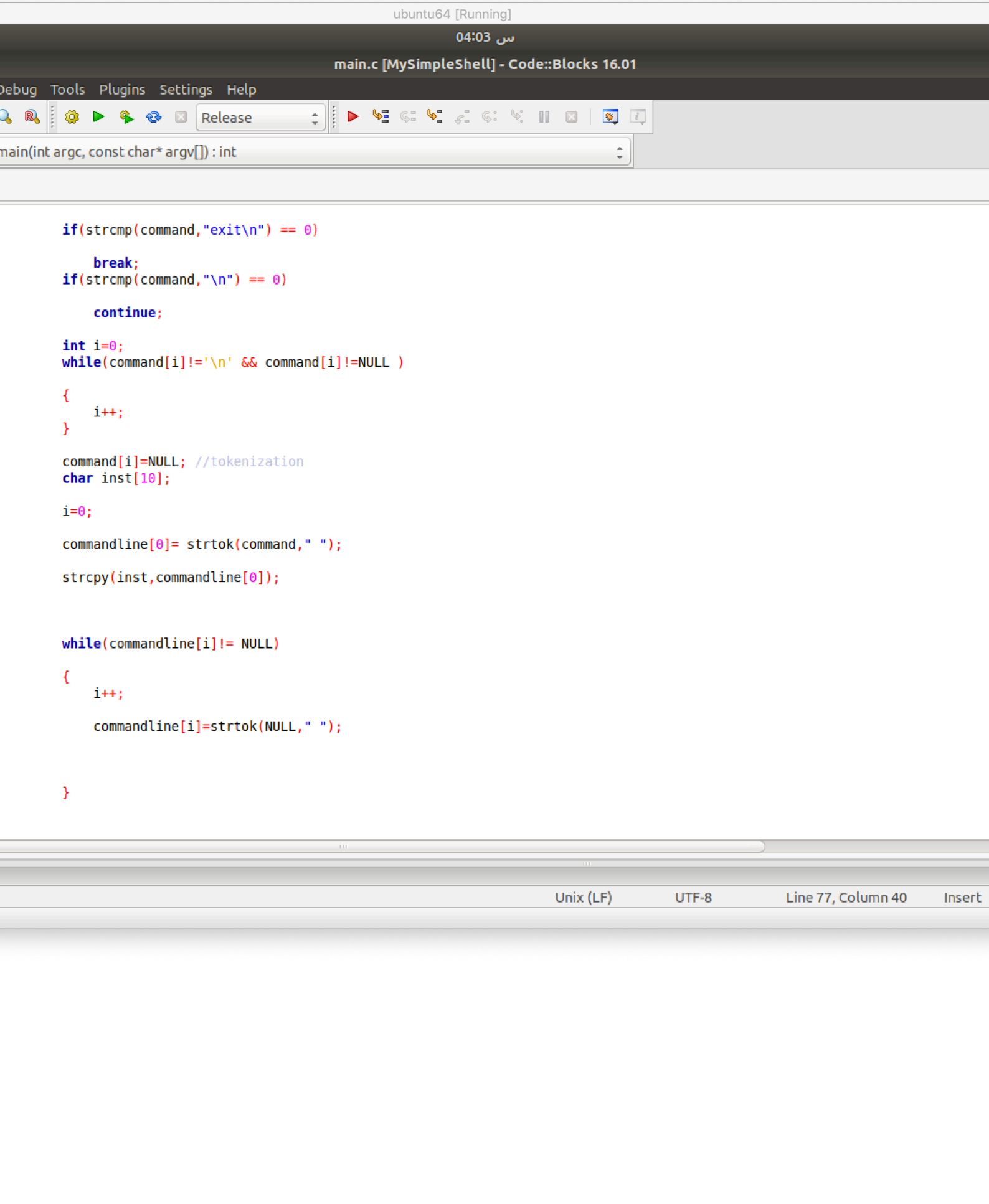

ubuntu64 [Running]
XTerm
03:48
MySimpleShell
Simple Shell firefox
Simple Shell firefox &
Simple Shell ls
bin main.c MySimpleShell.depend obj
log MySimpleShell.cbp MySimpleShell.layout
Simple Shell pwd
/home/kimo/Desktop/MySimpleShell
Simple Shell ls -l
total 28
drwxr-xr-x 3 kimo kimo 4096 26 01:52 bin
-rw-r--r-- 1 kimo kimo 75 27 03:47 log
-rw-r--r-- 1 kimo kimo 1848 27 03:43 main.c
-rw-r--r-- 1 kimo kimo 804 26 01:51 MySimpleShell.cbp
-rw-r--r-- 1 kimo kimo 159 27 03:44 MySimpleShell.depend
-rw-r--r-- 1 kimo kimo 359 27 03:37 MySimpleShell.layout
drwxr-xr-x 3 kimo kimo 4096 26 01:52 obj
Simple Shell
Ubuntu Software
New Tab
Mozilla Firefox
New Tab
Search with Google or enter address
Search the Web
Try Firefox with the bookmarks, history and passwords from ar
Top Sites
youtube
mail.google
facebook
Highlights
STACKOVERFLOW
How to use delay() function in c...
GITHUB
Program received sig
Browse with the best of 'em.
Prepare yourself for the fastest, smoothest, most reliab


ubuntu64 [Running]
03:53 س
main.c [MySimpleShell] - Code::Blocks 16.01
Mozilla Firefox
New Tab
Search with Google or enter address
System Monitor
File View Settings Help
Process Table
System Load
End Process...
fire
All Processes, Tree
Name
Username
CPU %
Memory
Shared Mem
systemd root 24% ٢٬٤٤٤ K ٦٬٨٨٨
gdm3 root 24% ١٬٢٧٢ K ٧٬١٤٨
gdm-session-wor root 24% ١٬٨٤٨ K ٧٬٤٩٦
gdm-x-session kimo 24% ٦٢٨ K ٥٬٤٢٨
gnome-session-binary kimo 21% ٢٬٦٦٨ K ١١٬٤٣٢
gnome-shell kimo 21% ٤٥٣٬٣١٦ K ٩٤٬٨٤٠
codeblocks kimo 8% ٧٣٬٣١٦ K ٤٨٬٣٥٦
xterm kimo 8% ٤٬٠٠٤ K ٦٬٢٥٦
cb_console_runner kimo 8% ١٤٤ K ١٬٥٧٢
sh kimo 8% ٦٨ K ٧١٢
MySimpleShell kimo 8% ٦٠ K ٧٤٨
firefox kimo 8% ١٢٥٬١٠٨ K ١٥٠٬٠٨٠
Web kimo ٤٢٬٩٤٠ K ١٠١٬٢٢٠
Web kimo ٣٩٬١٤٤ K ١٠٢٬٥٤٤
Web kimo ٣٩٬٠٢٨ K ١٠٠٬٠٨٨
WebExtensions kimo ٢٣٬٠١٢ K ٨٠٬٤٩٢
Web kimo ١٦٬٧٥٦ K ٦٢٬٥٠٠
firefox kimo zombie
18 processes
CPU: 11%
Memory: ١٫٤ GiB / ٣٫٩ GiB
Swap: ٠ B / ٩٤٧٫٢ MiB
Browse with the best of 'em.
Prepare yourself for the fastest, smoothest, most reliable Firefox yet.
Learn More

This part is responsible for forking new child process and distinguishing between a foreground and a background process. It is also responsible for executing of processes.



This is part is responsible for tokenization and handling the exit command and handling blank commands.



createLogFile creates a new text file when the Shell is opened.
signalHandler appends the file every time the process is terminated.

```
}
void createLogFile ()
{
    FILE *log;
    log=fopen("log","w");


    fclose(log);

}
signalHandler(int signal)
{
    FILE *log;
    log = fopen("log","a");


    fprintf(log,"%s","CHild process terminated\n");

    fclose(log);


}
int main(int argc, const char * argv[])
{
```