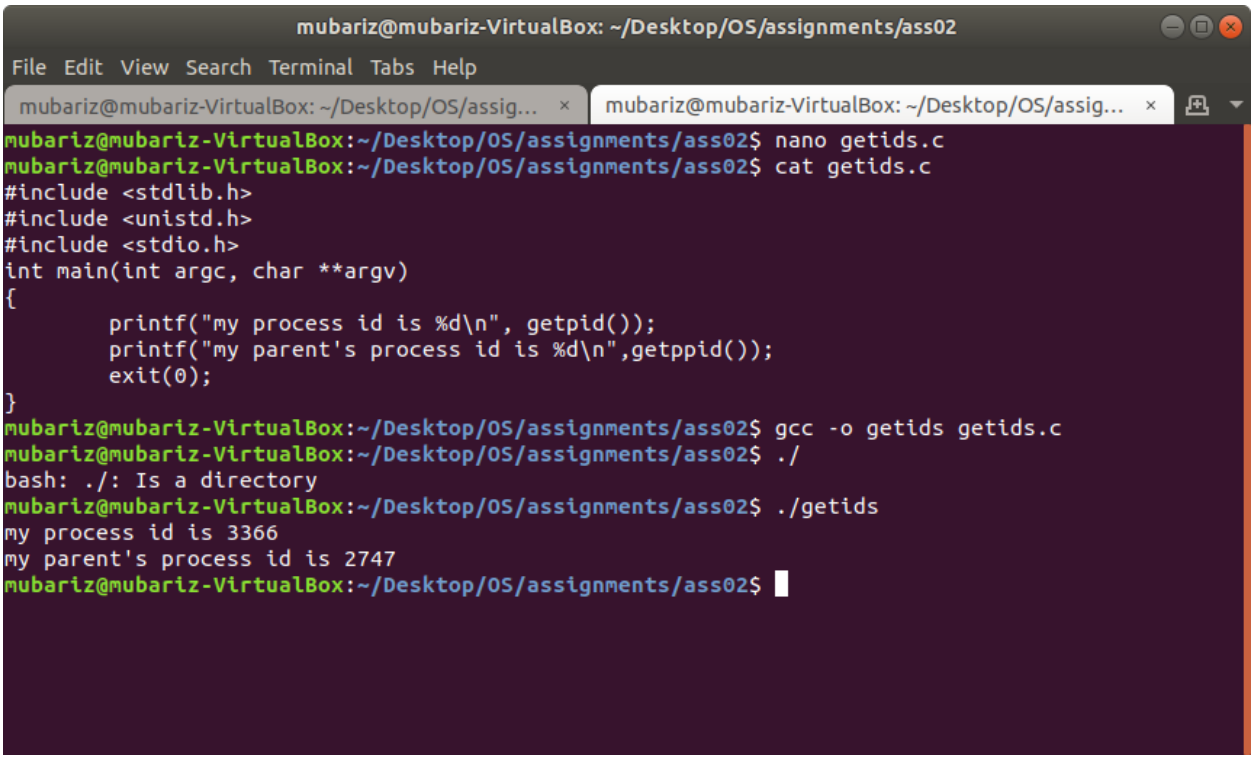
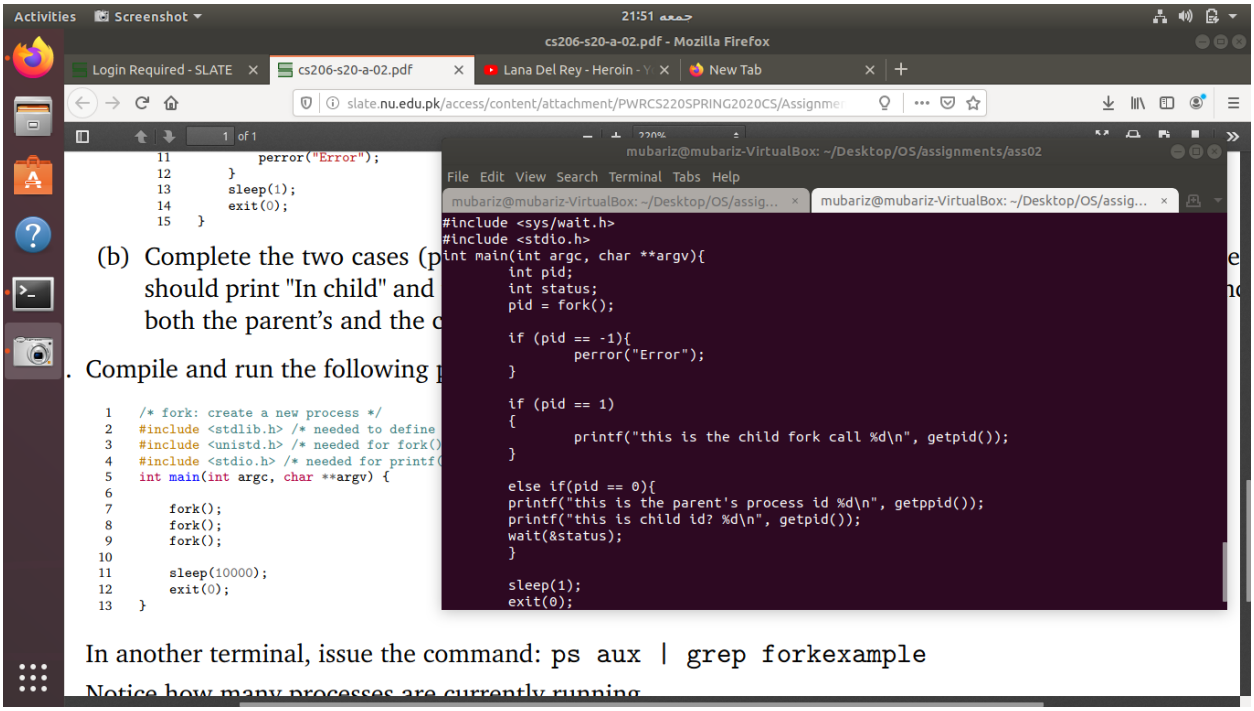
Mubariz Ahmed Khan P180010(B)

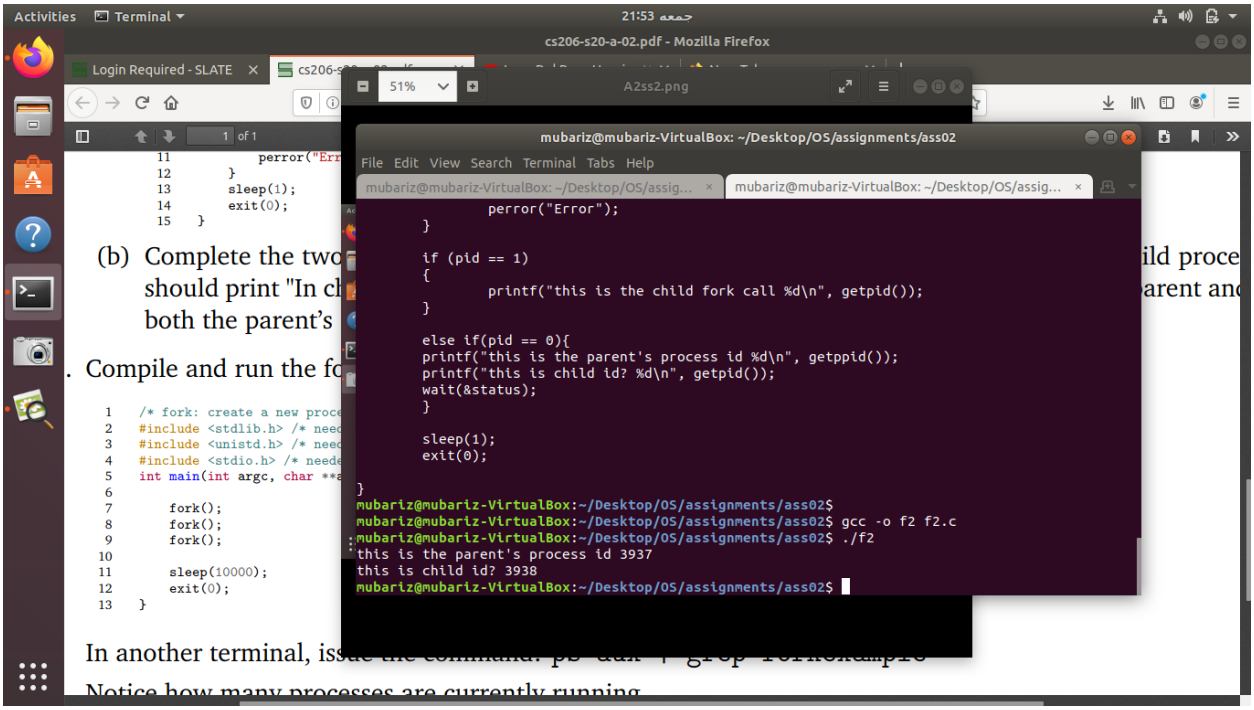
OS ASSIGNMENT #2

Q1:

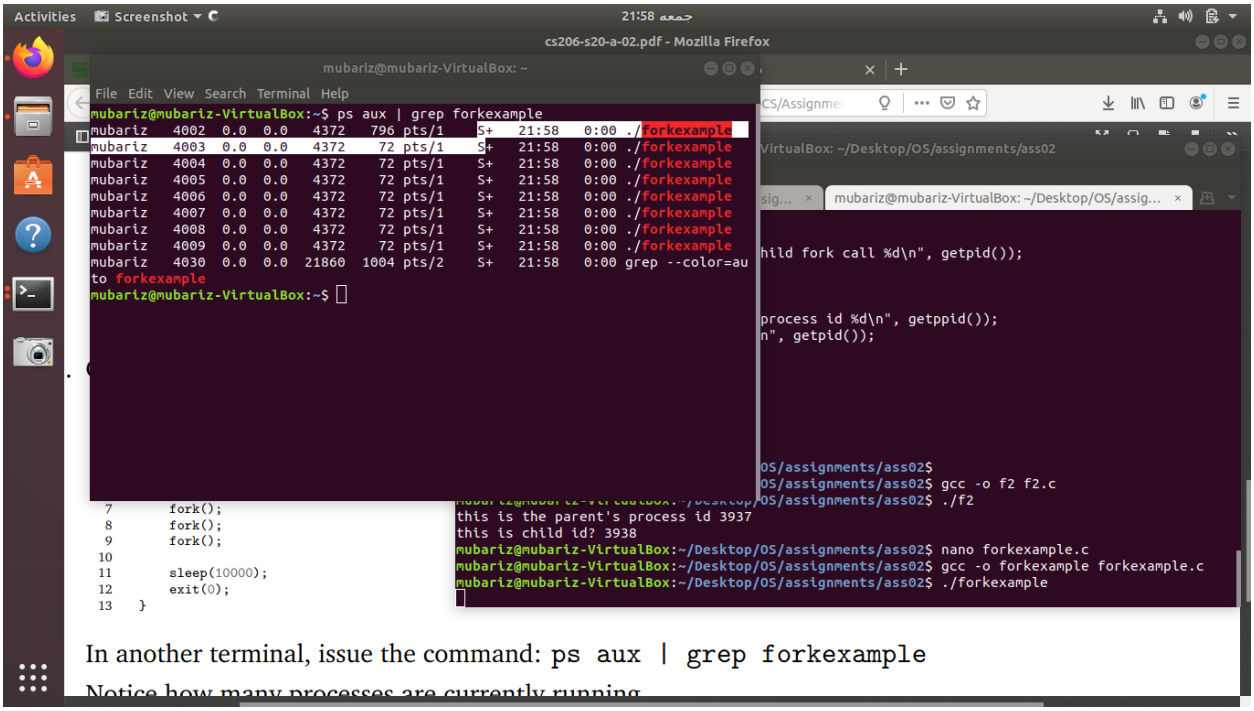


Q2:


Activities
Screenshot
21:51 جمعه
cs206-s20-a-02.pdf - Mozilla Firefox
Login Required - SLATE
cs206-s20-a-02.pdf
Lana Del Rey - Heroin - Y
New Tab
slate.nu.edu.pk/access/content/attachment/PWRCS220SPRING2020CS/Assignme
mubariz@mubariz-VirtualBox: ~/Desktop/OS/assignments/ass02
File Edit View Search Terminal Tabs Help
mubariz@mubariz-VirtualBox: ~/Desktop/OS/assig...
mubariz@mubariz-VirtualBox: ~/Desktop/OS/assig...
#include <sys/wait.h>
#include <stdio.h>
int main(int argc, char **argv){
int pid;
int status;
pid = fork();
if (pid == -1){
perror("Error");
}
if (pid == 1)
{
printf("this is the child fork call %d\n", getpid());
}
else if(pid == 0){
printf("this is the parent's process id %d\n", getppid());
printf("this is child id? %d\n", getpid());
wait(&status);
}
sleep(1);
exit(0);
perror("Error");
}
sleep(1);
exit(0);
}
(b) Complete the two cases (p
should print "In child" and
both the parent's and the c
. Compile and run the following p
/* fork: create a new process */
#include <stdlib.h> /* needed to define
#include <unistd.h> /* needed for fork()
#include <stdio.h> /* needed for printf(
int main(int argc, char **argv) {
fork();
fork();
fork();
sleep(10000);
exit(0);
}
In another terminal, issue the command: ps aux | grep forkexample
Notice how many processes are currently running


Activities
Terminal
21:53 جمعه
cs206-s20-a-02.pdf - Mozilla Firefox
Login Required - SLATE
51%
A2ss2.png
mubariz@mubariz-VirtualBox: ~/Desktop/OS/assignments/ass02
File Edit View Search Terminal Tabs Help
mubariz@mubariz-VirtualBox: ~/Desktop/OS/assig...
mubariz@mubariz-VirtualBox: ~/Desktop/OS/assig...
perror("Error");
}
if (pid == 1)
{
printf("this is the child fork call %d\n", getpid());
}
else if(pid == 0){
printf("this is the parent's process id %d\n", getppid());
printf("this is child id? %d\n", getpid());
wait(&status);
}
sleep(1);
exit(0);
}
mubariz@mubariz-VirtualBox:~/Desktop/OS/assignments/ass02$
mubariz@mubariz-VirtualBox:~/Desktop/OS/assignments/ass02$ gcc -o f2 f2.c
mubariz@mubariz-VirtualBox:~/Desktop/OS/assignments/ass02$ ./f2
this is the parent's process id 3937
this is child id? 3938
mubariz@mubariz-VirtualBox:~/Desktop/OS/assignments/ass02$
(b) Complete the two
should print "In ch
both the parent's
. Compile and run the fo
/* fork: create a new proce
#include <stdlib.h> /* need
#include <unistd.h> /* need
#include <stdio.h> /* neede
int main(int argc, char **a
fork();
fork();
fork();
sleep(10000);
exit(0);
}
In another terminal, iss
Notice how many processes are currently running

Q3:



In another terminal, issue the command: `ps aux | grep forkexample`

Notice how many processes are currently running