

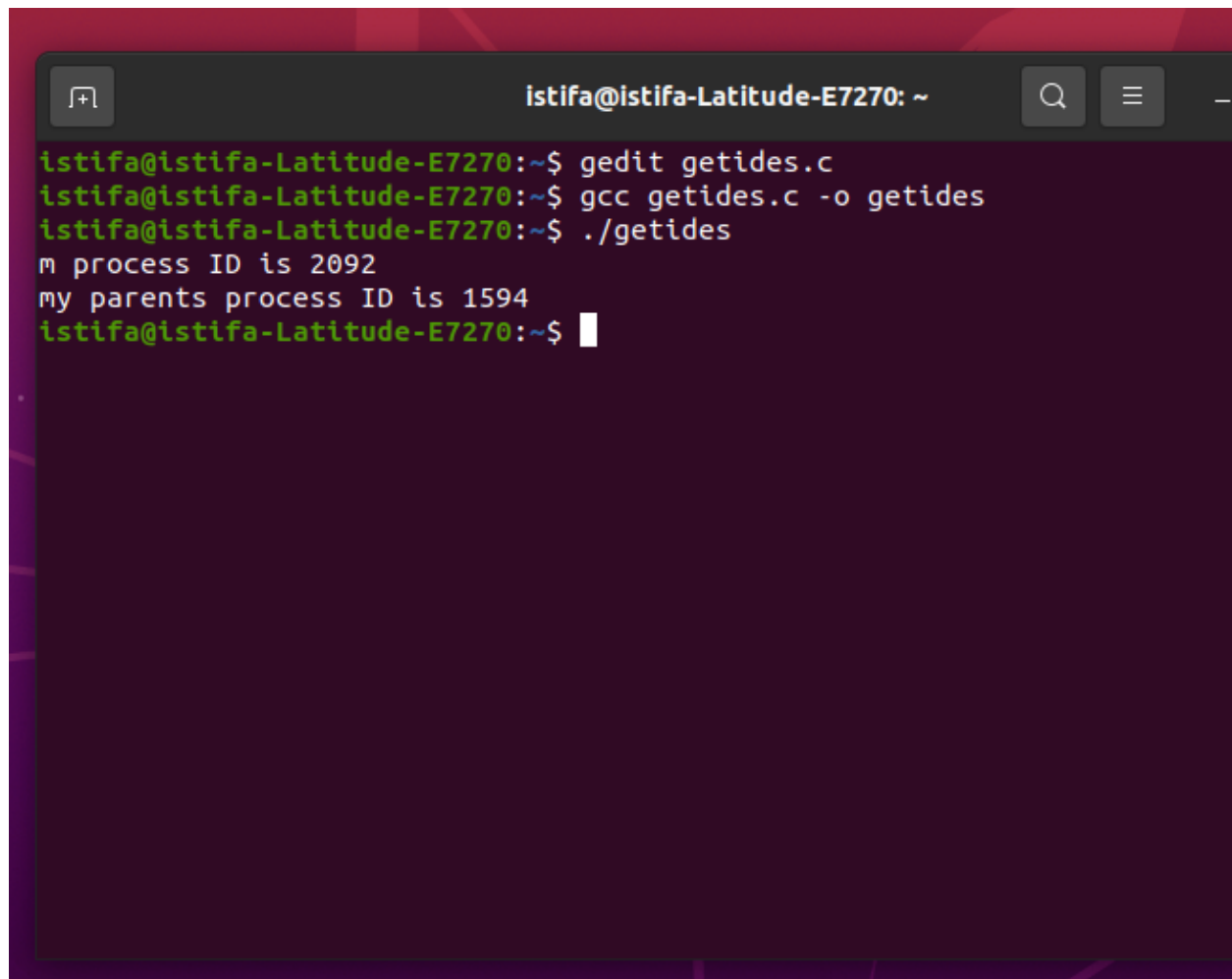
Open



getides.c

~/Desktop

```
1 #include <stdlib.h>
2 #include <unistd.h>
3 #include <stdio.h>
4 int main(int argc, char **argv)
5 {
6     printf("m process ID is %d\n", getpid());
7     printf("my parents process ID is %d\n", getppid());
8     exit(0);
9 }
```



```
istifa@istifa-Latitude-E7270: ~  
istifa@istifa-Latitude-E7270:~$ gedit getides.c  
istifa@istifa-Latitude-E7270:~$ gcc getides.c -o getides  
istifa@istifa-Latitude-E7270:~$ ./getides  
m process ID is 2092  
my parents process ID is 1594  
istifa@istifa-Latitude-E7270:~$
```

The image shows a terminal window with a dark background and green text. The window title is "istifa@istifa-Latitude-E7270: ~". The user has executed the following commands: `gedit getides.c`, `gcc getides.c -o getides`, and `./getides`. The output of the program is displayed on the next two lines: `m process ID is 2092` and `my parents process ID is 1594`. The prompt `istifa@istifa-Latitude-E7270:~$` is shown again at the bottom, with a white cursor character.

Open

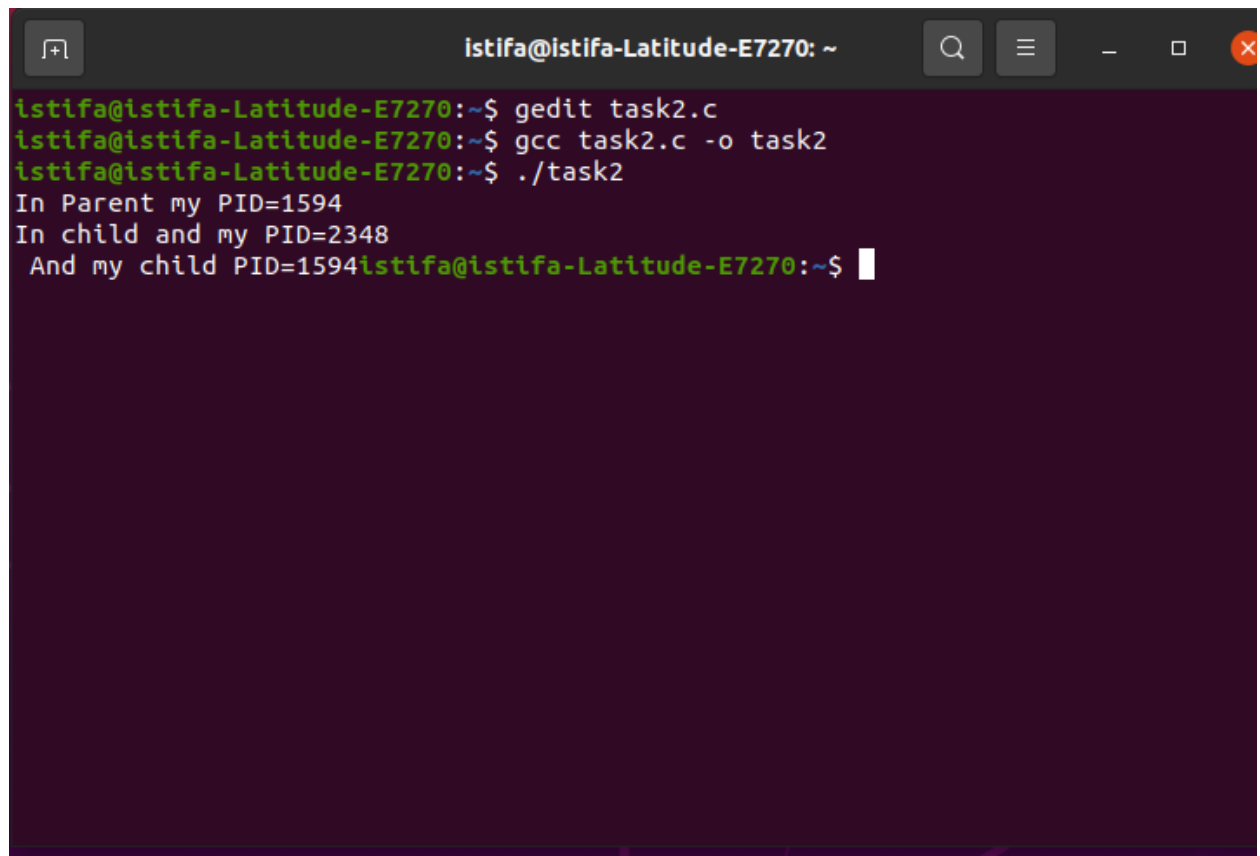


*task2.c

Save



```
1 #include <stdlib.h> /*needed to define exit() */
2 #include <unistd.h> /* needed for fork() */
3 #include <sys/wait.h> /* needed for wait() */
4 #include <stdio.h> /* needed for printf() */
5 int main(int argc, char **argv)
6 {
7     int pid = fork();
8     if(pid==0)
9     {
10 printf("In child and my PID=%d",getppid());
11 printf("\n");
12 }
13 else
14 {
15 printf("In Parent my PID=%d",getppid());
16 printf("\n And my child PID=%d",getppid());
17 }
18 if(pid == -1)
19 {
20 printf("Error");
21 }
22 sleep(1);
23 exit(0);
24 }
```



A terminal window titled "istifa@istifa-Latitude-E7270: ~" with standard window controls. The terminal shows the execution of a C program named "task2.c". The user runs "gedit task2.c", then "gcc task2.c -o task2", and finally "./task2". The program outputs three lines: "In Parent my PID=1594", "In child and my PID=2348", and "And my child PID=1594". The prompt "istifa@istifa-Latitude-E7270:~\$" is visible at the end of the output.

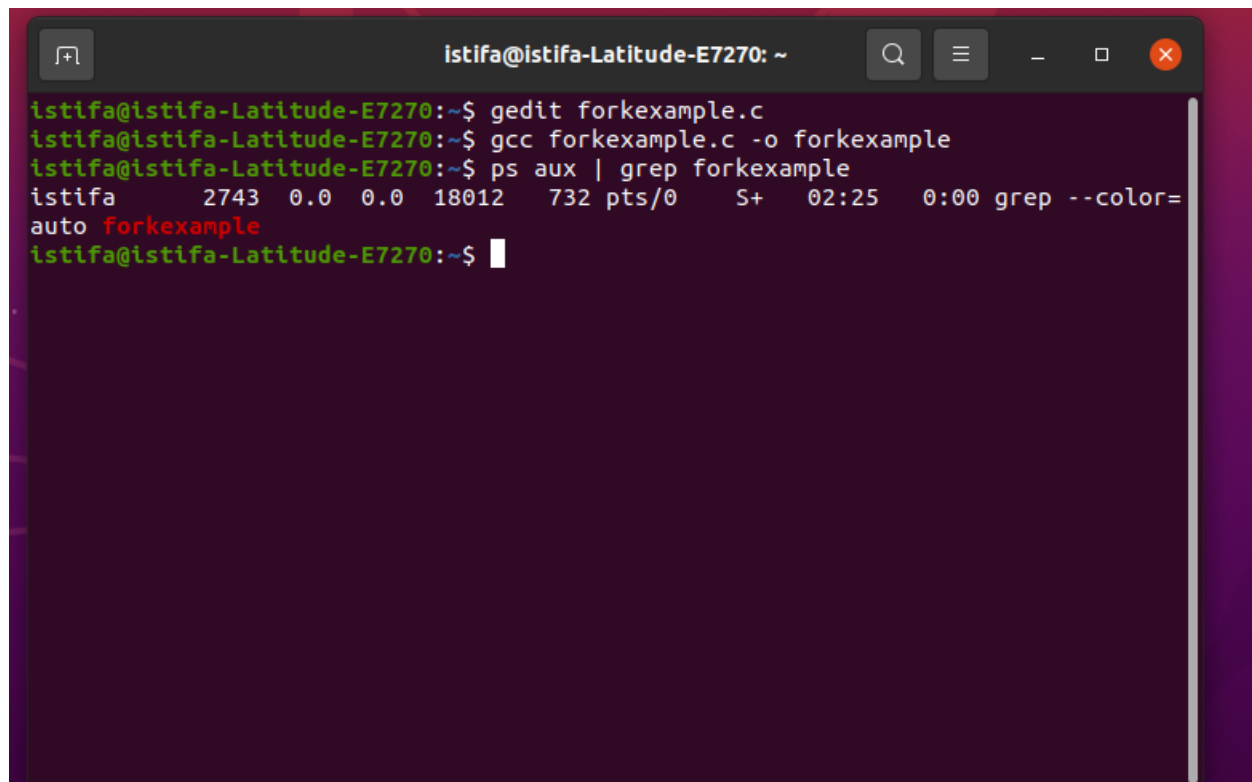
```
istifa@istifa-Latitude-E7270:~$ gedit task2.c
istifa@istifa-Latitude-E7270:~$ gcc task2.c -o task2
istifa@istifa-Latitude-E7270:~$ ./task2
In Parent my PID=1594
In child and my PID=2348
And my child PID=1594istifa@istifa-Latitude-E7270:~$
```

Open



forkexample.c

```
1 #include <stdlib.h> /* needed to define exit() */
2 #include <unistd.h> /* needed for fork() */
3 #include <stdio.h> /* needed for printf() */
4 int main(int argc, char **argv)
5 {
6     fork();
7     fork();
8     fork();
9     sleep(10000);
10    exit(0);
11 }
```



```
istifa@istifa-Latitude-E7270: ~  
istifa@istifa-Latitude-E7270:~$ gedit forkexample.c  
istifa@istifa-Latitude-E7270:~$ gcc forkexample.c -o forkexample  
istifa@istifa-Latitude-E7270:~$ ps aux | grep forkexample  
istifa      2743  0.0  0.0 18012   732 pts/0    S+   02:25   0:00 grep --color=auto forkexample  
istifa@istifa-Latitude-E7270:~$
```