

## IT\_CASE\_01: Creation of Daemon Process

The creation and execution of the daemon process can be seen with the help of command:

```
ps -ef
```

```
ties Terminal Oct 27 18:56 daksh@daksh-VirtualBox: ~/Project/src

daksh 30175 30172 0 18:22 ? 00:00:00 /usr/bin/gnome-terminal.real
daksh 30180 1586 0 18:22 ? 00:00:01 /usr/libexec/gnome-terminal-
daksh 30198 30180 0 18:22 pts/7 00:00:00 bash
root 30208 2 0 18:23 ? 00:00:00 [kworker/u4:0-events_unbound
daksh 30271 1586 0 18:24 pts/7 00:00:00 ./a.out ./
daksh 30293 30198 0 18:24 pts/7 00:00:00 ps -ef
daksh@daksh-VirtualBox:~/Project/src$ ps -ef |grep out
daksh 22555 1586 0 12:13 ? 00:00:00 ./a.out ./
daksh 22594 1586 0 12:16 ? 00:00:00 ./a.out ./
daksh 22606 1586 0 12:18 ? 00:00:00 ./a.out ./
daksh 23069 1586 0 12:54 ? 00:00:00 ./a.out ./
daksh 23313 1586 0 12:59 ? 00:00:00 ./a.out ./
daksh 23316 1586 0 12:59 ? 00:00:00 ./a.out ./
daksh 23470 1586 0 13:07 ? 00:00:00 ./a.out ./
daksh 23603 1586 0 13:11 ? 00:00:00 ./a.out ./
daksh 25944 1586 0 13:59 ? 00:00:00 ./a.out ./
daksh 26033 1586 0 14:02 ? 00:00:00 ./a.out ./
daksh 26102 1586 0 14:07 ? 00:00:00 ./a.out ./
daksh 26153 1586 0 14:09 ? 00:00:00 ./a.out ./
daksh 26183 1586 0 14:11 ? 00:00:00 ./a.out ./
daksh 26208 1586 0 14:12 ? 00:00:00 ./a.out ./
daksh 26249 1586 0 14:15 ? 00:00:00 ./a.out ./
daksh 26274 1586 0 14:16 ? 00:00:00 ./a.out ./
daksh 26330 1586 63 14:21 ? 02:38:44 ./a.out ./
daksh 26481 1586 62 14:28 ? 02:32:56 ./a.out ./
daksh 26614 1586 61 14:34 ? 02:28:06 ./a.out ./
daksh 30127 1586 0 18:20 ? 00:00:00 ./a.out ./
daksh 30148 1586 0 18:21 ? 00:00:00 ./a.out ./
daksh 30271 1586 0 18:24 pts/7 00:00:00 ./a.out ./
daksh 30395 30198 0 18:33 pts/7 00:00:00 grep --color=auto out
daksh@daksh-VirtualBox:~/Project/src$ pkill -9 ./a.out
daksh@daksh-VirtualBox:~/Project/src$ ps -ef
```

## IT\_CASE\_02: Successful backup

While running the source code with help of command:

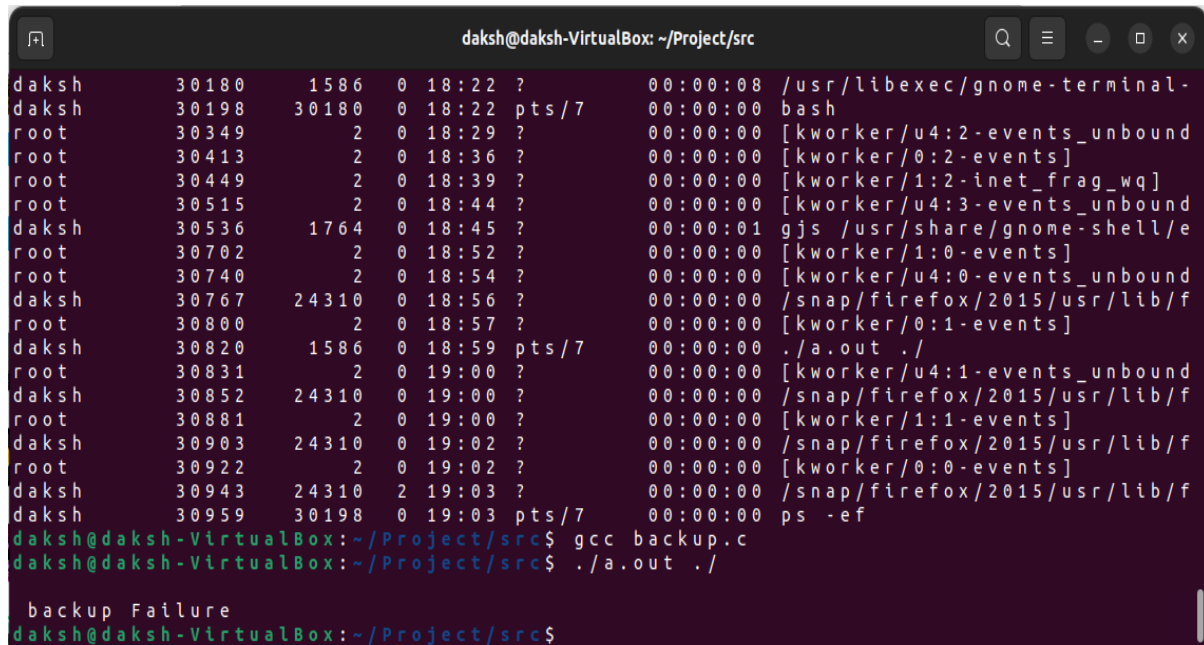
```
gcc backup.c
./a.out ./
```

```
 daksh@daksh-VirtualBox: ~/Project/src

daksh 29965 24310 0 18:15 ? 00:00:00 /snap/firefox/2015/usr/lib/f
root 29985 2 0 18:16 ? 00:00:00 [kworker/u4:1-events_unbound
daksh 30172 1586 0 18:22 ? 00:00:00 /usr/bin/python3 /usr/bin/gn
daksh 30175 30172 0 18:22 ? 00:00:00 /usr/bin/gnome-terminal.real
daksh 30180 1586 0 18:22 ? 00:00:03 /usr/libexec/gnome-terminal-
daksh 30198 30180 0 18:22 pts/7 00:00:00 bash
root 30321 24310 0 18:28 ? 00:00:00 /snap/firefox/2015/usr/lib/f
root 30346 2 0 18:28 ? 00:00:00 [kworker/0:0-events]
root 30347 2 0 18:29 ? 00:00:00 [kworker/1:0-events]
root 30349 2 0 18:29 ? 00:00:00 [kworker/u4:2-flush-8:0]
daksh 30361 24310 0 18:31 ? 00:00:00 /snap/firefox/2015/usr/lib/f
root 30405 2 0 18:34 ? 00:00:00 [kworker/u4:0-events_unbound
root 30412 2 0 18:36 ? 00:00:00 [kworker/u4:3]
root 30413 2 0 18:36 ? 00:00:00 [kworker/0:2-events]
daksh 30414 30198 0 18:36 pts/7 00:00:00 ps -ef
daksh@daksh-VirtualBox:~/Project/src$ gcc backup.c
daksh@daksh-VirtualBox:~/Project/src$
daksh@daksh-VirtualBox:~/Project/src$ ./a.out ./
daksh@daksh-VirtualBox:~/Project/src$
The contents of directory [./] are as follows
a.out
backup Success . backup.c
backup Success ..
daksh@daksh-VirtualBox:~/Project/src$
```

## IT\_CASE\_03: Back-up failure

When the back-up time does not match the system time, the process fails to back-up the file.



```
daksh@daksh-VirtualBox: ~/Project/src
daksh 30180 1586 0 18:22 ? 00:00:08 /usr/libexec/gnome-terminal-
daksh 30198 30180 0 18:22 pts/7 00:00:00 bash
root 30349 2 0 18:29 ? 00:00:00 [kworker/u4:2-events_unbound
root 30413 2 0 18:36 ? 00:00:00 [kworker/0:2-events]
root 30449 2 0 18:39 ? 00:00:00 [kworker/1:2-inet_frag_wq]
root 30515 2 0 18:44 ? 00:00:00 [kworker/u4:3-events_unbound
daksh 30536 1764 0 18:45 ? 00:00:01 gjs /usr/share/gnome-shell/e
root 30702 2 0 18:52 ? 00:00:00 [kworker/1:0-events]
root 30740 2 0 18:54 ? 00:00:00 [kworker/u4:0-events_unbound
daksh 30767 24310 0 18:56 ? 00:00:00 /snap/firefox/2015/usr/lib/f
root 30800 2 0 18:57 ? 00:00:00 [kworker/0:1-events]
daksh 30820 1586 0 18:59 pts/7 00:00:00 ./a.out ./
root 30831 2 0 19:00 ? 00:00:00 [kworker/u4:1-events_unbound
daksh 30852 24310 0 19:00 ? 00:00:00 /snap/firefox/2015/usr/lib/f
root 30881 2 0 19:00 ? 00:00:00 [kworker/1:1-events]
daksh 30903 24310 0 19:02 ? 00:00:00 /snap/firefox/2015/usr/lib/f
root 30922 2 0 19:02 ? 00:00:00 [kworker/0:0-events]
daksh 30943 24310 2 19:03 ? 00:00:00 /snap/firefox/2015/usr/lib/f
daksh 30959 30198 0 19:03 pts/7 00:00:00 ps -ef
daksh@daksh-VirtualBox:~/Project/src$ gcc backup.c
daksh@daksh-VirtualBox:~/Project/src$ ./a.out ./

backup Failure
daksh@daksh-VirtualBox:~/Project/src$
```

## IT\_CASE\_04: Backed-up files

The files are successfully backed-up in the back-up folder of the desktop.