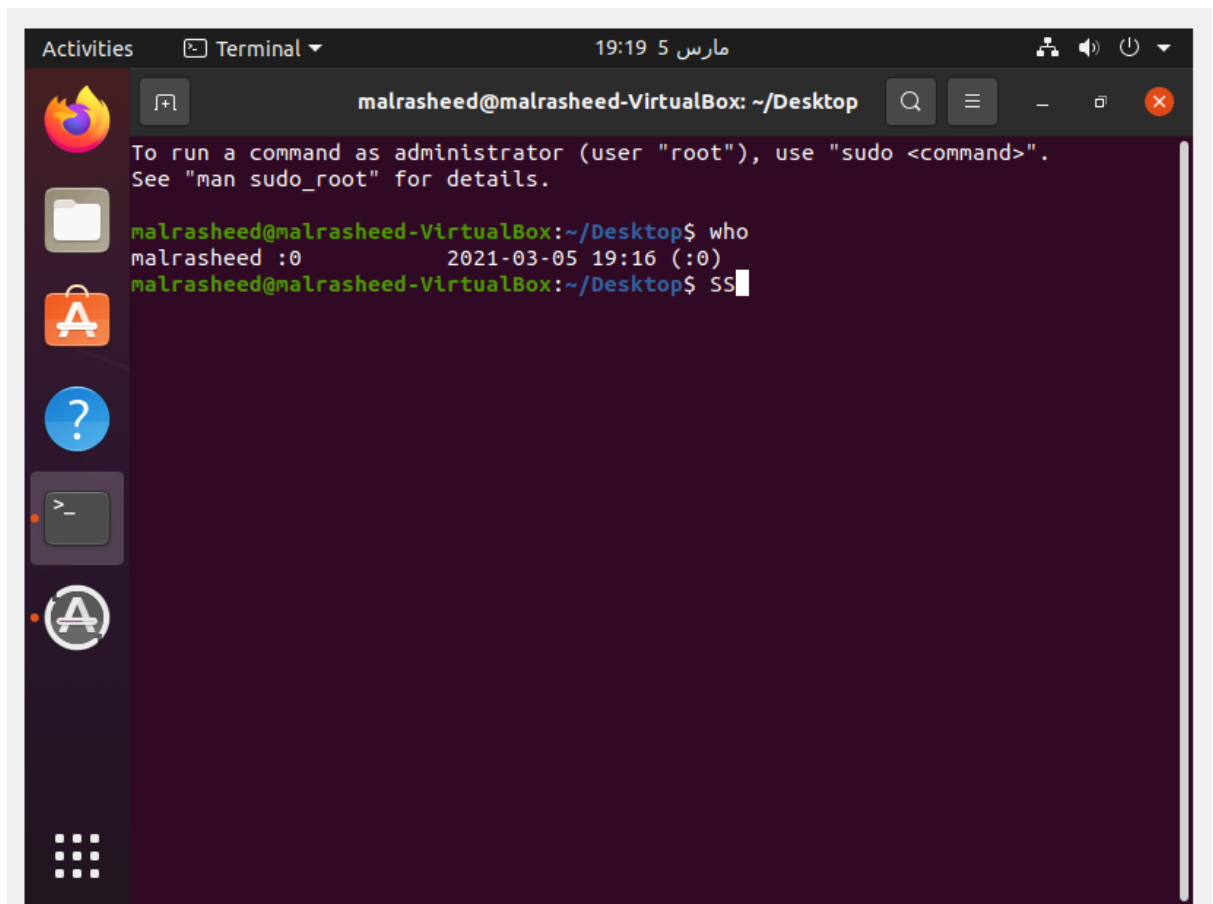


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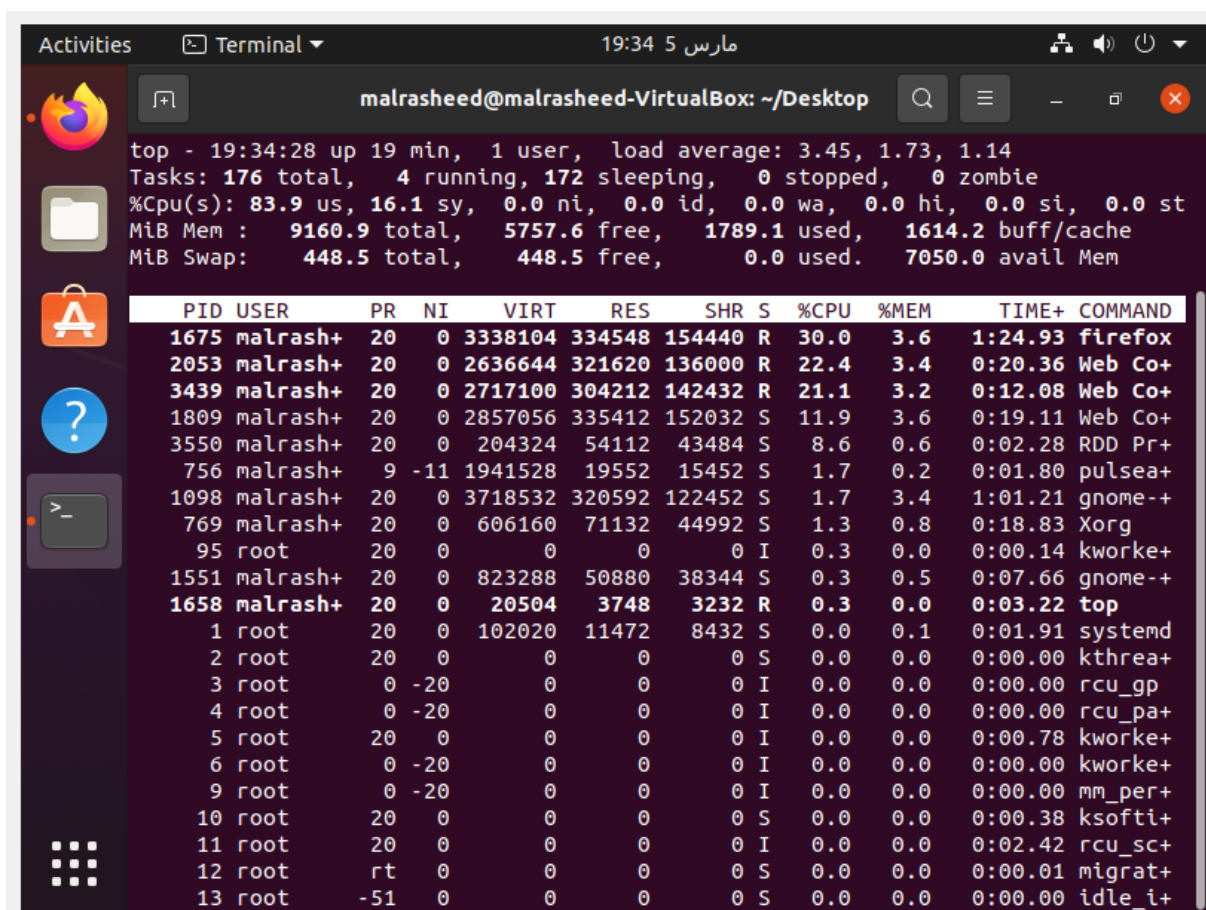
- I used VirtualBox since it's the simplest to set up, without any hassles
- I set up the VM to have 1 cpu core, 9423 MB of memory, 10 GB of storage
- Here's the screenshot:



2-

- Memory in kilobytes is $9160 * 2^{10}$ Kilobytes

- Free in memory is $5757 * 2^{10}$ Kilobytes
- $448 * 2^{10}$ Kilobytes total swap and 0 Kilobytes used
- 1-Firefox: PID=1675, 3.6% MEM, 30% CPU
- 2-Youtube (tab in firefox): PID=2053, 3.4% MEM, 22.4% CPU
- 3-Gnome (GUI): PID=1098, 3.6% MEM, 30% CPU
- 4-Top: PID=1658, 0.0% MEM, 0.3% CPU
- 5-Xorg: PID=769, 0.0% MEM, 0.3% CPU



The screenshot shows a terminal window titled "malrasheed@malrasheed-VirtualBox: ~/Desktop". The terminal output includes system statistics from the 'top' command and a detailed process list.

System Statistics:

```
top - 19:34:28 up 19 min, 1 user, load average: 3.45, 1.73, 1.14
Tasks: 176 total, 4 running, 172 sleeping, 0 stopped, 0 zombie
%Cpu(s): 83.9 us, 16.1 sy, 0.0 ni, 0.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem : 9160.9 total, 5757.6 free, 1789.1 used, 1614.2 buff/cache
MiB Swap: 448.5 total, 448.5 free, 0.0 used, 7050.0 avail Mem
```

Process List:

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
1675	malrash+	20	0	3338104	334548	154440	R	30.0	3.6	1:24.93	firefox
2053	malrash+	20	0	2636644	321620	136000	R	22.4	3.4	0:20.36	Web Co+
3439	malrash+	20	0	2717100	304212	142432	R	21.1	3.2	0:12.08	Web Co+
1809	malrash+	20	0	2857056	335412	152032	S	11.9	3.6	0:19.11	Web Co+
3550	malrash+	20	0	204324	54112	43484	S	8.6	0.6	0:02.28	RDD Pr+
756	malrash+	9	-11	1941528	19552	15452	S	1.7	0.2	0:01.80	pulsea+
1098	malrash+	20	0	3718532	320592	122452	S	1.7	3.4	1:01.21	gnome-+
769	malrash+	20	0	606160	71132	44992	S	1.3	0.8	0:18.83	Xorg
95	root	20	0	0	0	0	I	0.3	0.0	0:00.14	kworke+
1551	malrash+	20	0	823288	50880	38344	S	0.3	0.5	0:07.66	gnome-+
1658	malrash+	20	0	20504	3748	3232	R	0.3	0.0	0:03.22	top
1	root	20	0	102020	11472	8432	S	0.0	0.1	0:01.91	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kthrea+
3	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_gp
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_pa+
5	root	20	0	0	0	0	I	0.0	0.0	0:00.78	kworke+
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworke+
9	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	mm_per+
10	root	20	0	0	0	0	S	0.0	0.0	0:00.38	ksofti+
11	root	20	0	0	0	0	I	0.0	0.0	0:02.42	rcu_sc+
12	root	rt	0	0	0	0	S	0.0	0.0	0:00.01	migrat+
13	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_i+