

# Untitled

April 24, 2020

[1]: `ps`

```
PID TTY          TIME CMD
25133 pts/1      00:00:00 bash
25147 pts/1      00:00:00 ps
```

[2]: `pwd`

```
/home/jupyter-aiana178/Final
```

[3]: `top`

```
TERM environment variable not set.
```

[4]: `ps a`

```
PID TTY          STAT TIME COMMAND
1340 tty1        Ss+   0:00 /sbin/agetty -o -p -- \u --noclear tty1 linux
25056 pts/0        Ss+   0:00 /bin/bash -l
25133 pts/1        Ss    0:00 /bin/bash --rcfile /opt/tljh/user/lib/python3.7/site-
25149 pts/1        R+    0:00 ps a
```

[5]: `ps aux`

```
USER          PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root           1  0.0  0.1 78104  9076 ?        Ss   Apr09    0:37 /sbin/init
root           2  0.0  0.0     0     0 ?        S    Apr09    0:00 [kthreadd]
root           4  0.0  0.0     0     0 ?        I<   Apr09    0:00 [kworker/0:0H]
root           6  0.0  0.0     0     0 ?        I<   Apr09    0:00 [mm_percpu_wq]
root           7  0.0  0.0     0     0 ?        S    Apr09    0:00 [ksoftirqd/0]
root           8  0.0  0.0     0     0 ?        I    Apr09    1:42 [rcu_sched]
root           9  0.0  0.0     0     0 ?        I    Apr09    0:00 [rcu_bh]
root          10  0.0  0.0     0     0 ?        S    Apr09    0:00 [migration/0]
root          11  0.0  0.0     0     0 ?        S    Apr09    0:02 [watchdog/0]
root          12  0.0  0.0     0     0 ?        S    Apr09    0:00 [cpuhp/0]
root          13  0.0  0.0     0     0 ?        S    Apr09    0:00 [cpuhp/1]
root          14  0.0  0.0     0     0 ?        S    Apr09    0:02 [watchdog/1]
```

root	15	0.0	0.0	0	0 ?	S	Apr09	0:00	[migration/1]
root	16	0.0	0.0	0	0 ?	S	Apr09	0:00	[ksoftirqd/1]
root	18	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kworker/1:0H]
root	19	0.0	0.0	0	0 ?	S	Apr09	0:00	[cpuhp/2]
root	20	0.0	0.0	0	0 ?	S	Apr09	0:02	[watchdog/2]
root	21	0.0	0.0	0	0 ?	S	Apr09	0:00	[migration/2]
root	22	0.0	0.0	0	0 ?	S	Apr09	0:00	[ksoftirqd/2]
root	24	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kworker/2:0H]
root	25	0.0	0.0	0	0 ?	S	Apr09	0:00	[cpuhp/3]
root	26	0.0	0.0	0	0 ?	S	Apr09	0:02	[watchdog/3]
root	27	0.0	0.0	0	0 ?	S	Apr09	0:00	[migration/3]
root	28	0.0	0.0	0	0 ?	S	Apr09	0:00	[ksoftirqd/3]
root	30	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kworker/3:0H]
root	31	0.0	0.0	0	0 ?	S	Apr09	0:00	[cpuhp/4]
root	32	0.0	0.0	0	0 ?	S	Apr09	0:02	[watchdog/4]
root	33	0.0	0.0	0	0 ?	S	Apr09	0:00	[migration/4]
root	34	0.0	0.0	0	0 ?	S	Apr09	0:00	[ksoftirqd/4]
root	36	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kworker/4:0H]
root	37	0.0	0.0	0	0 ?	S	Apr09	0:00	[cpuhp/5]
root	38	0.0	0.0	0	0 ?	S	Apr09	0:02	[watchdog/5]
root	39	0.0	0.0	0	0 ?	S	Apr09	0:00	[migration/5]
root	40	0.0	0.0	0	0 ?	S	Apr09	0:00	[ksoftirqd/5]
root	42	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kworker/5:0H]
root	43	0.0	0.0	0	0 ?	S	Apr09	0:00	[cpuhp/6]
root	44	0.0	0.0	0	0 ?	S	Apr09	0:02	[watchdog/6]
root	45	0.0	0.0	0	0 ?	S	Apr09	0:00	[migration/6]
root	46	0.0	0.0	0	0 ?	S	Apr09	0:00	[ksoftirqd/6]
root	48	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kworker/6:0H]
root	49	0.0	0.0	0	0 ?	S	Apr09	0:00	[cpuhp/7]
root	50	0.0	0.0	0	0 ?	S	Apr09	0:02	[watchdog/7]
root	51	0.0	0.0	0	0 ?	S	Apr09	0:00	[migration/7]
root	52	0.0	0.0	0	0 ?	S	Apr09	0:00	[ksoftirqd/7]
root	54	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kworker/7:0H]
root	55	0.0	0.0	0	0 ?	S	Apr09	0:00	[kdevtmpfs]
root	56	0.0	0.0	0	0 ?	I<	Apr09	0:00	[netns]
root	57	0.0	0.0	0	0 ?	S	Apr09	0:00	[rcu_tasks_kthr]
root	58	0.0	0.0	0	0 ?	S	Apr09	0:00	[kauditd]
root	61	0.0	0.0	0	0 ?	S	Apr09	0:00	[khungtaskd]
root	62	0.0	0.0	0	0 ?	S	Apr09	0:00	[oom_reaper]
root	63	0.0	0.0	0	0 ?	I<	Apr09	0:00	[writeback]
root	64	0.0	0.0	0	0 ?	S	Apr09	0:00	[kcompactd0]
root	65	0.0	0.0	0	0 ?	SN	Apr09	0:00	[ksmd]
root	66	0.0	0.0	0	0 ?	SN	Apr09	0:00	[khugepaged]
root	67	0.0	0.0	0	0 ?	I<	Apr09	0:00	[crypto]
root	68	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kintegrityd]
root	69	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kblockd]
root	76	0.0	0.0	0	0 ?	I<	Apr09	0:00	[ata_sff]
root	77	0.0	0.0	0	0 ?	I<	Apr09	0:00	[md]

root	78	0.0	0.0	0	0 ?	I<	Apr09	0:00	[edac-poller]
root	79	0.0	0.0	0	0 ?	I<	Apr09	0:00	[devfreq_wq]
root	80	0.0	0.0	0	0 ?	I<	Apr09	0:00	[watchdogd]
root	83	0.0	0.0	0	0 ?	S	Apr09	0:00	[kswapd0]
root	84	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kworker/u17:0]
root	85	0.0	0.0	0	0 ?	S	Apr09	0:00	[ecryptfs-kthre
root	127	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kthrotld]
root	128	0.0	0.0	0	0 ?	I<	Apr09	0:00	[acpi_thermal_p
root	132	0.0	0.0	0	0 ?	I<	Apr09	0:00	[ipv6_addrconf]
root	141	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kstrp]
root	158	0.0	0.0	0	0 ?	I<	Apr09	0:00	[charger_manage
root	228	0.0	0.0	0	0 ?	S	Apr09	0:00	[scsi_eh_0]
root	229	0.0	0.0	0	0 ?	I<	Apr09	0:00	[scsi_tmf_0]
root	230	0.0	0.0	0	0 ?	S	Apr09	0:00	[scsi_eh_1]
root	231	0.0	0.0	0	0 ?	I<	Apr09	0:00	[scsi_tmf_1]
root	232	0.0	0.0	0	0 ?	S	Apr09	0:00	[scsi_eh_2]
root	233	0.0	0.0	0	0 ?	I<	Apr09	0:00	[scsi_tmf_2]
root	234	0.0	0.0	0	0 ?	S	Apr09	0:00	[scsi_eh_3]
root	235	0.0	0.0	0	0 ?	I<	Apr09	0:00	[scsi_tmf_3]
root	268	0.0	0.0	0	0 ?	I<	Apr09	0:00	[ttm_swap]
root	270	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kworker/4:1H]
root	338	0.0	0.0	0	0 ?	I<	Apr09	0:00	[raid5wq]
root	386	0.0	0.0	0	0 ?	S	Apr09	0:18	[jbd2/sda2-8]
root	387	0.0	0.0	0	0 ?	I<	Apr09	0:00	[ext4-rsv-conve
root	389	0.0	0.0	0	0 ?	I<	Apr09	0:01	[kworker/7:1H]
root	438	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kworker/5:1H]
root	459	0.0	0.4	144836	33504 ?	S<s	Apr09	3:43	/lib/systemd/sy
root	480	0.0	0.0	0	0 ?	I<	Apr09	0:00	[iscsi_eh]
root	481	0.0	0.0	0	0 ?	I<	Apr09	0:12	[kworker/6:1H]
root	482	0.0	0.0	97708	1836 ?	Ss	Apr09	0:00	/sbin/lvmetad -
root	484	0.0	0.0	0	0 ?	I<	Apr09	0:00	[ib-comp-wq]
root	485	0.0	0.0	0	0 ?	I<	Apr09	0:00	[ib-comp-unb-wq
root	486	0.0	0.0	0	0 ?	I<	Apr09	0:00	[ib_mcast]
root	487	0.0	0.0	0	0 ?	I<	Apr09	0:00	[ib_nl_sa_wq]
root	488	0.0	0.0	47660	6472 ?	Ss	Apr09	0:07	/lib/systemd/sy
root	490	0.0	0.0	0	0 ?	I<	Apr09	0:00	[rdma_cm]
root	521	0.0	0.0	0	0 ?	S<	Apr09	0:00	[loop0]
root	522	0.0	0.0	0	0 ?	S<	Apr09	0:00	[loop1]
root	523	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kworker/2:1H]
root	525	0.0	0.0	0	0 ?	S	Apr09	0:00	[irq/125-mei_me
root	529	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kworker/3:1H]
root	580	0.0	0.0	0	0 ?	I	Apr15	0:00	[kworker/4:2]
root	608	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kworker/1:1H]
root	616	0.0	0.0	0	0 ?	I<	Apr09	0:00	[kworker/0:1H]
systemd+	873	0.0	0.0	141936	3156 ?	Ss1	Apr09	0:02	/lib/systemd/sy
systemd+	919	0.0	0.0	80056	5308 ?	Ss	Apr09	0:14	/lib/systemd/sy
systemd+	939	0.0	0.0	70752	6268 ?	Ss	Apr09	0:02	/lib/systemd/sy
root	1037	0.0	0.2	169100	17264 ?	Ss1	Apr09	0:00	/usr/bin/python

root	1044	0.1	0.8	186944	68252	?	Ssl	Apr09	20:30	/opt/tljh/hub/b
message+	1054	0.0	0.0	50100	4684	?	Ss	Apr09	0:01	/usr/bin/dbus-d
root	1089	0.0	0.0	30028	3228	?	Ss	Apr09	0:01	/usr/sbin/cron
root	1099	0.0	0.0	70664	6128	?	Ss	Apr09	0:02	/lib/systemd/sy
daemon	1104	0.0	0.0	28332	2464	?	Ss	Apr09	0:00	/usr/sbin/atd -
root	1111	0.1	1.0	314872	84848	?	Ss	Apr09	22:50	/opt/tljh/hub/b
root	1148	0.0	0.0	235968	2656	?	Ssl	Apr09	0:04	/usr/bin/lxcfs
syslog	1154	0.0	0.0	263036	5236	?	Ssl	Apr09	1:12	/usr/sbin/rsysl
root	1190	0.0	0.1	178600	9460	?	Ssl	Apr09	1:47	/usr/sbin/therm
root	1199	0.0	0.3	1819576	25244	?	Ssl	Apr09	2:10	/usr/lib/snapd/
root	1201	0.0	0.0	110488	3448	?	Ssl	Apr09	2:33	/usr/sbin/irqba
root	1213	0.0	0.0	286392	6808	?	Ssl	Apr09	0:52	/usr/lib/accoun
root	1230	0.0	0.2	185944	19896	?	Ssl	Apr09	0:00	/usr/bin/python
root	1340	0.0	0.0	14888	1908	tty1	Ss+	Apr09	0:00	/sbin/agetty -o
root	1379	0.0	0.0	288884	6480	?	Ssl	Apr09	0:00	/usr/lib/policy
root	1421	0.0	0.0	72300	6360	?	Ss	Apr09	0:00	/usr/sbin/sshd
mysql	1526	0.0	2.1	1424272	177108	?	Sl	Apr09	15:30	/usr/sbin/mysql
root	1875	0.0	0.3	172540	28420	?	Ss	Apr09	7:45	/opt/tljh/hub/b
root	3754	0.0	0.0	0	0	?	I	Apr18	0:44	[kworker/1:1]
root	10822	0.0	0.0	0	0	?	I	Apr16	0:00	[kworker/3:1]
root	11051	0.0	0.0	0	0	?	I	Apr16	0:02	[kworker/7:2]
root	12350	0.0	0.0	0	0	?	I	Apr20	0:00	[kworker/5:0]
root	17152	0.0	0.0	0	0	?	I	Apr21	0:00	[kworker/6:2]
root	17574	0.0	0.0	0	0	?	I	Apr21	0:00	[kworker/7:1]
root	17832	0.0	0.0	0	0	?	I	Apr17	0:00	[kworker/2:1]
root	19738	0.0	0.0	0	0	?	I	Apr22	0:00	[kworker/1:2]
root	19744	0.0	0.0	0	0	?	I	Apr22	0:00	[kworker/0:0]
root	23455	0.0	0.0	0	0	?	I	00:41	0:00	[kworker/4:0]
root	23615	0.0	0.0	0	0	?	I	01:16	0:00	[kworker/2:2]
root	24260	0.0	0.0	0	0	?	I	02:46	0:00	[kworker/5:2]
root	24472	0.0	0.0	0	0	?	I	02:54	0:00	[kworker/3:0]
root	24568	0.0	0.0	0	0	?	I	03:06	0:00	[kworker/0:1]
root	24960	0.0	0.0	0	0	?	I	03:28	0:00	[kworker/u16:2]
root	24961	0.0	0.0	0	0	?	I	03:28	0:00	[kworker/6:1]
jupyter+	24981	0.3	0.9	650424	77464	?	Rsl	03:55	0:02	/opt/tljh/user/
jupyter+	25056	0.0	0.0	21464	5128	pts/0	Ss+	03:57	0:00	/bin/bash -l
root	25097	0.0	0.0	0	0	?	I	03:59	0:00	[kworker/u16:0]
jupyter+	25121	2.2	0.5	487848	46568	?	Rsl	04:06	0:00	/opt/tljh/user/
jupyter+	25133	0.1	0.0	21360	5044	pts/1	Ss	04:06	0:00	/bin/bash --rcf
jupyter+	25150	0.0	0.0	38372	3592	pts/1	R+	04:06	0:00	ps aux

[6]: google

Command 'google' not found, did you mean:

command 'hoogle' from deb hoogle  
command 'googler' from deb googler

Try: apt install <deb name>

```
[7]: Google
```

Command 'Google' not found, did you mean:

command 'hoogle' from deb hoogle

Try: apt install <deb name>

```
[9]: ps aux | grep 'python'
```

```
root      1037  0.0  0.2 169100 17264 ?        Ssl  Apr09   0:00
/usr/bin/python3 /usr/bin/networkd-dispatcher --run-startup-triggers
root      1111  0.1  1.0 314872 84848 ?        Ss   Apr09  22:50
/opt/tljh/hub/bin/python3 -m jupyterhub.app -f /opt/tljh/hub/lib/python3.6/site-
packages/tljh/jupyterhub_config.py --upgrade-db
root      1230  0.0  0.2 185944 19896 ?        Ssl  Apr09   0:00
/usr/bin/python3 /usr/share/unattended-upgrades/unattended-upgrade-shutdown
--wait-for-signal
root      1875  0.0  0.3 172540 28420 ?        Ss   Apr09   7:45
/opt/tljh/hub/bin/python3 -m tljh.cull_idle_servers --timeout=600 --cull-
every=60 --concurrency=5 --max-age=0
jupyter+ 24981  0.3  0.9 650560 78832 ?        Ssl  03:55   0:03
/opt/tljh/user/bin/python /opt/tljh/user/bin/jupyterhub-singleuser --port=40125
--NotebookApp.default_url=/lab
jupyter+ 25121  0.2  0.5 487848 46568 ?        Ssl  04:06   0:00
/opt/tljh/user/bin/python -m bash_kernel -f /home/jupyter-aiana178/.local/share/
jupyter/runtime/kernel-0ef4d953-b5ca-4fc9-97d9-387af9913392.json
jupyter+ 25133  0.0  0.0 21360 5048 pts/1    Ss   04:06   0:00 /bin/bash
--rcfile /opt/tljh/user/lib/python3.7/site-packages/pexpect/bashrc.sh
jupyter+ 25195  0.0  0.0 13136 1104 pts/1    S+   04:08   0:00 grep
--color=auto python
```

```
[11]: #kill <PID>
```

```
[1]: mkdir today2
```

```
[2]: pwd
```

/home/jupyter-aiana178/Final

```
[3]: mkdir -p ./animal/cat
```

```
[6]: mkdir -p ./ko/so/vo
```

```
[7]: ls
```

01_Apr_hw.ipynb	abc.txt	k.txt	today
10.txt	anime	ok	unisat.mp3
1.txt	a.txt	Review.ipynb	unisat.uni
27_03hw.ipynb	command	right	Untitled.ipynb
2_Apr_hw.ipynb	Final	riiight	untitled.png
3.txt	folder21	'root folders.dio'	untitled.svg
4Apr	'hw 3 Apr.ipynb'	shared	' 28 .ipynb'
9-11Apr	ko	siege.g	' 2 .ipynb'

```
[8]: file ./*
```

```
./01_Apr_hw.ipynb: ASCII text
./10.txt:          empty
./1.txt:           empty
./27_03hw.ipynb:   UTF-8 Unicode text, with very long lines
./2_Apr_hw.ipynb:  UTF-8 Unicode text
./3.txt:           empty
./4Apr:            directory
./9-11Apr:         directory
./abc.txt:         empty
./anime:           directory
./a.txt:           empty
./command:        ASCII text
./Final:          directory
./folder21:       directory
./hw 3 Apr.ipynb:  UTF-8 Unicode text
./ko:             directory
./k.txt:          empty
./ok:             empty
./Review.ipynb:   UTF-8 Unicode text
./right:         empty
./riiight:        empty
./root folders.dio: ASCII text, with very long lines, with no line
terminators
./shared:         symbolic link to /srv/data/shared
./siege.g:        empty
./today:          directory
./unisat.mp3:     ASCII text
./unisat.uni:     ASCII text
./Untitled.ipynb: UTF-8 Unicode text, with very long lines
./untitled.png:   SVG Scalable Vector Graphics image
./untitled.svg:   SVG Scalable Vector Graphics image
```

```
./ 28 .ipynb: ASCII text
./ 2 .ipynb: UTF-8 Unicode text
```

```
[ ]: vim ok.txt
```

```
[1]: mkdir -pv ./anime/tog
```

```
mkdir: created directory './anime'
mkdir: created directory './anime/tog'
```

```
[13]: cd ~/F*
```

```
[14]: pwd
```

```
/home/jupyter-aiana178/Final
```

```
[15]: mkdir -v tokyo
```

```
mkdir: created directory 'tokyo'
```

```
[ ]:
```

```
[1]: rmdir ./animal
```

```
rmdir: failed to remove './animal': Directory not empty
```

```
[16]: rmdir onefile
```

```
rmdir: failed to remove 'onefile': Not a directory
```

```
[17]: rm onefile
```

```
[18]: rmdir tokyo
```

```
[19]: rm today2
```

```
rm: cannot remove 'today2': Is a directory
```

```
[2]: rmdir ./cat
```

```
rmdir: failed to remove './cat': No such file or directory
```

```
[3]: rmdir ./animal/cat
```

```
[4]: touch onefile
```

```
[5]: cp onefile ./animal
```

```
[8]: rm -rf animal
```

```
[1]: cd
```

```
[2]: pwd
```

```
/home/jupyter-aiana178
```

```
[3]: cd ~/
```

```
[4]: cd /~
```

```
bash: cd: /~: No such file or directory
```

```
[5]: pwd
```

```
/home/jupyter-aiana178
```

```
[9]: cd ..
```

```
[10]: pwd
```

```
/home
```

```
[11]: ls
```

azat	jupyter-cubefiction	jupyter-official-nanakai
jupyter-admin	jupyter-danenok	jupyter-orissim
jupyter-aiana178	jupyter-darganius	jupyter-tsagynysh
jupyter-aigerimunisat	jupyter-ekdana	jupyter-unisat
jupyter-aizadait	jupyter-inkar601	jupyter-unisat39
jupyter-amayakof	jupyter-kkenzh	jupyter-unisatkz
jupyter-amirkhan	jupyter-nazymungarova	jupyter-yeldana
jupyter-arrayka	jupyter-nuray.serkali	jupyter-zhandos
jupyter-aruzhan149	jupyter-nurike	jupyter-zhanelbaltabay
jupyter-aselleon	jupyter-nurlaura	jupyter-zhannaspaces
jupyter-azat	jupyter-nurlaura2	

```
[20]: pwd
```

```
/home/jupyter-aiana178/Final
```



```
[21]: cd /anime
```

```
bash: cd: /anime: No such file or directory
```

```
[22]: cd
```

```
[23]: cp 2_Apr_hw.ipynb ./Aiana*
```

```
[24]: cp Untitled.ipynb ./Aiana*
```

```
[ ]:
```