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Activities  Terminal  12:09 22 نؤوامبر

amirreza@amirreza-X556UQK: ~/Documents/test

(base) amirreza@amirreza-X556UQK:~$ #-----Question 1-----
(base) amirreza@amirreza-X556UQK:~$ cd /home/amirreza/Documents/
(base) amirreza@amirreza-X556UQK:~/Documents$ ls #[showing files in current location using command ls.]
(base) amirreza@amirreza-X556UQK:~/Documents$ mkdir -p test/test2 #[making two folders using command mkdir and option -p, for making the second folder in first one, in one line.]
(base) amirreza@amirreza-X556UQK:~/Documents$ ls #[showing files in current location.]
test
(base) amirreza@amirreza-X556UQK:~/Documents$ cd test/ #[change directory to folder 'test', using command cd.]
(base) amirreza@amirreza-X556UQK:~/Documents/test$ ls #[showing files in current location.]
test2
(base) amirreza@amirreza-X556UQK:~/Documents/test$ touch test.txt #[making empty txt file named 'test.txt' using command touch.]
(base) amirreza@amirreza-X556UQK:~/Documents/test$ ls #[showing files in current location.]
test2  test.txt
(base) amirreza@amirreza-X556UQK:~/Documents/test$ cat test.txt #[reading file 'test.txt' for making sure that its empty using command cat.]
(base) amirreza@amirreza-X556UQK:~/Documents/test$ #you can change directory using command cd and writing the path you want to go after that.
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Activities Terminal 12:16 22 نۆوامبر 96 %
amirreza@amirreza-X556UQK: ~/Documents/test
(base) amirreza@amirreza-X556UQK:~/Documents/test$ #-----Question2-----
(base) amirreza@amirreza-X556UQK:~/Documents/test$ #you can watch files in a directory using command ls
(base) amirreza@amirreza-X556UQK:~/Documents/test$ #if you want to watch files and directories in current location, you just need to write ls.(you can use option -l for listing the files and directories.)
(base) amirreza@amirreza-X556UQK:~/Documents/test$ ls
test2 test.txt
(base) amirreza@amirreza-X556UQK:~/Documents/test$ ls -l
total 4
drwxrwxr-x 2 amirreza amirreza 4096 12:06 22 نۆوامبر test2
-rw-rw-r-- 1 amirreza amirreza 0 12:07 22 نۆوامبر test.txt
(base) amirreza@amirreza-X556UQK:~/Documents/test$
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Activities Terminal 12:17 22 نوامبر 12:17 22 نوامبر en 96 %
amirreza@amirreza-X556UQK: ~/Documents/test
(base) amirreza@amirreza-X556UQK:~/Documents/test$ #-----Question3-----
(base) amirreza@amirreza-X556UQK:~/Documents/test$ #you can watch files and directories in a specific path using command ls followed by the path you want.
(base) amirreza@amirreza-X556UQK:~/Documents/test$ ls /home/amirreza/Pictures/
Screenshots University Wallpapers
(base) amirreza@amirreza-X556UQK:~/Documents/test$
```

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Activities Terminal 12:27 22 نۆوامبر 96 %
amirreza@amirreza-X556UQK: ~
(base) amirreza@amirreza-X556UQK:~$ #-----Question4-----
(base) amirreza@amirreza-X556UQK:~$ mv /home/amirreza/Documents/test/test2 /home/amirreza/Desktop/
(base) amirreza@amirreza-X556UQK:~$ ls /home/amirreza/Documents/test
test.txt
(base) amirreza@amirreza-X556UQK:~$ ls /home/amirreza/Desktop/
test2
(base) amirreza@amirreza-X556UQK:~$ #you can cut a file or directory using command 'mv' followed by "/pathFile1/file /destinatinPath/[newFileName or nothing to use same name.]"
(base) amirreza@amirreza-X556UQK:~$
```

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Activities Terminal 12:28 22 نؤوامبر 96 %
amirreza@amirreza-X556UQK: ~
(base) amirreza@amirreza-X556UQK:~$ #-----Question5-----
(base) amirreza@amirreza-X556UQK:~$ cp /home/amirreza/Documents/test/test.txt /home/amirreza/Desktop/
(base) amirreza@amirreza-X556UQK:~$ ls /home/amirreza/Documents/test
test.txt
(base) amirreza@amirreza-X556UQK:~$ ls /home/amirreza/Desktop/
test.txt
(base) amirreza@amirreza-X556UQK:~$ #you can copy a file or directory using command 'cp' followed by "/pathFile1/file /destinatinPath/[newFileName or nothing to use same name.]"
(base) amirreza@amirreza-X556UQK:~$
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Activities Terminal 12:31 نۆوامبر 22 en 96 %
amirreza@amirreza-X556UQK: ~
(base) amirreza@amirreza-X556UQK:~$ #-----Question6-----
(base) amirreza@amirreza-X556UQK:~$ #you can delete a directory using command rm followed by '-r' (for deleting recursively the directory), and path of the directory.
(base) amirreza@amirreza-X556UQK:~$ ls /home/amirreza/Documents/
test
(base) amirreza@amirreza-X556UQK:~$ rm -r /home/amirreza/Documents/test
(base) amirreza@amirreza-X556UQK:~$ ls /home/amirreza/Documents/
(base) amirreza@amirreza-X556UQK:~$
```

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(base) amirreza@amirreza-X556UQK:~$ #-----Question7-----
(base) amirreza@amirreza-X556UQK:~$ #you can watch date and time in terminal using command date and you can play with its options to show that in any way you want
(base) amirreza@amirreza-X556UQK:~$ date
(0330+) ۱۲:۳۶:۱۵ شنبه ۲۳ نوامبر ۱۴۰۲
(base) amirreza@amirreza-X556UQK:~$ date +"Today is: %A %d %B"
Today is: شنبه ۲۳ نوامبر ۱۴۰۲
(base) amirreza@amirreza-X556UQK:~$ #you can use command timedatectl too
(base) amirreza@amirreza-X556UQK:~$ timedatectl
          Local time: ۰۳۳۰+ ۱۲:۳۷:۳۹ ۲۲-۱۱-۲۰۲۳ شنبه
          Universal time: ۰۹:۰۷:۳۹ ۲۲-۱۱-۲۰۲۳ UTC
          RTC time: ۰۹:۰۷:۳۹ ۲۲-۱۱-۲۰۲۳ شنبه
          Time zone: Asia/Tehran (+۰۳۳۰, +۰۳۳۰)
System clock synchronized: yes
NTP service: active
RTC in local TZ: no
(base) amirreza@amirreza-X556UQK:~$ #these are built-in into shell itself but I use 'jcal' on daily basis that for using it you have to install it first.
(base) amirreza@amirreza-X556UQK:~$ jcal
Aazar 1402
Sh Ye Do Se Ch Pa Jo
   1  2  3
 4  5  6  7  8  9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30

(base) amirreza@amirreza-X556UQK:~$ jcal 1402
1402

      Farvardin      Ordibehesht      Khordaad
Sh Ye Do Se Ch Pa Jo Sh Ye Do Se Ch Pa Jo Sh Ye Do Se Ch Pa Jo
   1  2  3  4         1             1  2  3  4  5
 5  6  7  8  9 10 11  2  3  4  5  6  7  8  6  7  8  9 10 11 12
12 13 14 15 16 17 18  9 10 11 12 13 14 15 13 14 15 16 17 18 19
19 20 21 22 23 24 25 16 17 18 19 20 21 22 20 21 22 23 24 25 26
26 27 28 29 30 31 23 24 25 26 27 28 29 27 28 29 30 31
30 31

      Tir      Mordaad      Shahrivar
Sh Ye Do Se Ch Pa Jo Sh Ye Do Se Ch Pa Jo Sh Ye Do Se Ch Pa Jo
   1  2         1  2  3  4  5  6         1  2  3
 3  4  5  6  7  8  9  7  8  9 10 11 12 13  4  5  6  7  8  9 10
10 11 12 13 14 15 16 14 15 16 17 18 19 20 11 12 13 14 15 16 17
17 18 19 20 21 22 23 21 22 23 24 25 26 27 18 19 20 21 22 23 24
24 25 26 27 28 29 30 28 29 30 31         25 26 27 28 29 30 31
31

      Mehr      Aabaan      Aazar
Sh Ye Do Se Ch Pa Jo Sh Ye Do Se Ch Pa Jo Sh Ye Do Se Ch Pa Jo
  1  2  3  4  5  6  7  1  2  3  4  5  1  2  3
 8  9 10 11 12 13 14  6  7  8  9 10 11 12  4  5  6  7  8  9 10
15 16 17 18 19 20 21 13 14 15 16 17 18 19 11 12 13 14 15 16 17
22 23 24 25 26 27 28 20 21 22 23 24 25 26 18 19 20 21 22 23 24
29 30         27 28 29 30         25 26 27 28 29 30

      Dey      Bahman      Esfand
Sh Ye Do Se Ch Pa Jo Sh Ye Do Se Ch Pa Jo Sh Ye Do Se Ch Pa Jo
   1             1  2  3  4  5  6         1  2  3  4
 2  3  4  5  6  7  8  7  8  9 10 11 12 13  5  6  7  8  9 10 11
 9 10 11 12 13 14 15 14 15 16 17 18 19 20 12 13 14 15 16 17 18
16 17 18 19 20 21 22 21 22 23 24 25 26 27 19 20 21 22 23 24 25
23 24 25 26 27 28 29 28 29 30         26 27 28 29
30
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Activities Terminal 12:44 22 نوامبر 96 %
amirreza@amirreza-X556UQK: ~
(base) amirreza@amirreza-X556UQK: $ #-----Question8-----
(base) amirreza@amirreza-X556UQK: $ #you can watch process running in your system using command top
(base) amirreza@amirreza-X556UQK: $ top
```



Screenshot captured

You can paste the image from the clipboard.

```
top - 12:44:06 up 3:09, 1 user, load average: 0.81, 1.58, 1.83
Tasks: 260 total, 1 running, 259 sleeping, 0 stopped, 0 zombie
%Cpu(s): 3.9 us, 5.3 sy, 0.0 ni, 90.8 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem : 11833.8 total, 3789.4 free, 2630.6 used, 5413.7 buff/cache
MiB Swap: 7629.0 total, 7629.0 free, 0.0 used, 8124.9 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
21038	amirreza	20	0	16248	4480	3584	R	11.8	0.0	0:00.04	top
1	root	20	0	168476	13484	8236	S	0.0	0.1	0:03.94	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kthreadd
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_par_gp
5	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	slub_flushwq
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	netns
8	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/0:0H-events_highpri
10	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	mm_percpu_wq
11	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_kthread
12	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_rude_kthread
13	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_trace_kthread
14	root	20	0	0	0	0	S	0.0	0.0	0:00.66	ksoftirqd/0
15	root	20	0	0	0	0	I	0.0	0.0	0:17.77	rcu_preempt
16	root	rt	0	0	0	0	S	0.0	0.0	0:00.06	migration/0
17	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_inject/0
19	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/0
20	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/1
21	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_inject/1
22	root	rt	0	0	0	0	S	0.0	0.0	0:00.20	migration/1
23	root	20	0	0	0	0	S	0.0	0.0	0:41.37	ksoftirqd/1
25	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/1:0H-events_highpri
26	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/2
27	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_inject/2
28	root	rt	0	0	0	0	S	0.0	0.0	0:00.20	migration/2
29	root	20	0	0	0	0	S	0.0	0.0	0:00.38	ksoftirqd/2
31	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/2:0H-events_highpri
32	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/3
33	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_inject/3
34	root	rt	0	0	0	0	S	0.0	0.0	0:00.20	migration/3
35	root	20	0	0	0	0	S	0.0	0.0	0:02.05	ksoftirqd/3
37	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/3:0H-events_highpri
38	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kdevtmpfs
39	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	inet_frag_wq
40	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kauditd
41	root	20	0	0	0	0	S	0.0	0.0	0:00.01	khungtaskd
43	root	20	0	0	0	0	S	0.0	0.0	0:00.00	oom_reaper
45	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	writeback
46	root	20	0	0	0	0	S	0.0	0.0	0:00.56	kcompactd0
47	root	25	5	0	0	0	S	0.0	0.0	0:00.00	ksmd
49	root	39	19	0	0	0	S	0.0	0.0	0:00.07	khugepaged
50	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kintegrityd
51	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kblockd
52	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	blkcg_punt_bio
53	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	tpm_dev_wq
54	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	ata_sff
55	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	md
56	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	edac-poller
57	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	devfreq_wq
58	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	watchdogd
60	root	0	-20	0	0	0	I	0.0	0.0	0:03.87	kworker/2:1H-kblockd
62	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kswapd0
63	root	20	0	0	0	0	S	0.0	0.0	0:00.00	ecryptfs-kthread
64	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kthrotld
65	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	irq/122-aerdrv
66	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	acpi_thermal_pm
68	root	20	0	0	0	0	S	0.0	0.0	0:00.21	hwng
69	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	mld
70	root	0	-20	0	0	0	I	0.0	0.0	0:03.43	kworker/0:1H-events_highpri