

vboxuser@Linux: ~

a@Linux: ~

vboxuser@Linux: ~

vboxuser@Linux: ~

```
vboxuser@Linux:~$ strings -n10 /bin/sleep
```

```
/lib64/ld-linux-x86-64.so.2
```

```
__cxa_finalize
```

```
__libc_start_main
```

```
__cxa_atexit
```

```
__fprintf_chk
```

```
__printf_chk
```

```
fputs_unlocked
```

```
nl_langinfo
```

```
__fpending
```

```
__freading
```

```
__errno_location
```

```
getopt_long
```

```
fputc_unlocked
```

```
__stack_chk_fail
```

```
__memcpy_chk
```

```
__ctype_get_mb_cur_max
```

```
__ctype_b_loc
```

```
program_invocation_name
```

```
__progname_full
```

```
bindtextdomain
```

```
program_invocation_short_name
```

```
__progname
```

```
GLIBC_2.3.4
```

```
GLIBC_2.34
```

```
GLIBC_2.2.5
```

```
__ITM_deregisterTMCloneTable
```

```
__gmon_start__
```

```
__ITM_registerTMCloneTable
```

```
AWAVAUATUSH
```

```
[ ]A[A]A^A_
```

```
AWAVAUATUL
```

```
[ ]A[A]A^A_
```

```
[ ]A[A]A^A_
```

```
[ ]A[A]A^A_
```

```
test invocation
```

Home

```
vboxuser@Linux: ~
```

00000000	7f 45 4c 46 02 01 01 00	00 00 00 00 00 00 00 00	.ELF.....
00000010	03 00 3e 00 01 00 00 00	80 2b 00 00 00 00 00 00	..>.....+
00000020	40 00 00 00 00 00 00 00	48 82 00 00 00 00 00 00	@.....H.....
00000030	00 00 00 00 40 00 38 00	0d 00 40 00 1f 00 1e 00	....@.8...@.....
00000040	06 00 00 00 04 00 00 00	40 00 00 00 00 00 00 00	.....@.....
00000050	40 00 00 00 00 00 00 00	40 00 00 00 00 00 00 00	@.....@.....
00000060	d8 02 00 00 00 00 00 00	d8 02 00 00 00 00 00 00	..... .....
00000070	08 00 00 00 00 00 00 00	03 00 00 00 04 00 00 00	..... .....
00000080	18 03 00 00 00 00 00 00	18 03 00 00 00 00 00 00	..... .....
00000090	18 03 00 00 00 00 00 00	1c 00 00 00 00 00 00 00	..... .....
000000a0	1c 00 00 00 00 00 00 00	01 00 00 00 00 00 00 00	..... .....
000000b0	01 00 00 00 04 00 00 00	00 00 00 00 00 00 00 00	..... .....
000000c0	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00	..... .....
000000d0	e0 12 00 00 00 00 00 00	e0 12 00 00 00 00 00 00	..... .....
000000e0	00 10 00 00 00 00 00 00	01 00 00 00 05 00 00 00	..... .....
000000f0	00 20 00 00 00 00 00 00	00 20 00 00 00 00 00 00	..... .....
00000100	00 20 00 00 00 00 00 00	d1 30 00 00 00 00 00 00	.....0.....
00000110	d1 30 00 00 00 00 00 00	00 10 00 00 00 00 00 00	.0.....
00000120	01 00 00 00 04 00 00 00	00 60 00 00 00 00 00 00	..... .....
00000130	00 60 00 00 00 00 00 00	00 60 00 00 00 00 00 00	..... .....
00000140	c0 0e 00 00 00 00 00 00	c0 0e 00 00 00 00 00 00	..... .....
00000150	00 10 00 00 00 00 00 00	01 00 00 00 06 00 00 00	..... .....
00000160	b0 7b 00 00 00 00 00 00	b0 8b 00 00 00 00 00 00	{. ....
00000170	b0 8b 00 00 00 00 00 00	e8 04 00 00 00 00 00 00	..... .....
00000180	20 06 00 00 00 00 00 00	00 10 00 00 00 00 00 00	..... .....
00000190	02 00 00 00 06 00 00 00	20 7c 00 00 00 00 00 00	..... .....
000001a0	20 8c 00 00 00 00 00 00	20 8c 00 00 00 00 00 00	..... .....
000001b0	f0 01 00 00 00 00 00 00	f0 01 00 00 00 00 00 00	..... .....
000001c0	08 00 00 00 00 00 00 00	04 00 00 00 04 00 00 00	..... .....
000001d0	38 03 00 00 00 00 00 00	38 03 00 00 00 00 00 00	8.....8.....
000001e0	38 03 00 00 00 00 00 00	30 00 00 00 00 00 00 00	8.....0.....
000001f0	30 00 00 00 00 00 00 00	08 00 00 00 00 00 00 00	0.....
00000200	04 00 00 00 04 00 00 00	68 03 00 00 00 00 00 00	.....h.....
00000210	68 03 00 00 00 00 00 00	68 03 00 00 00 00 00 00	h.....h.....
00000220	44 00 00 00 00 00 00 00	44 00 00 00 00 00 00 00	D.....D.....

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```
vboxuser@Linux:~$ ls /sbin | wc -l
```

```
371
```

```
vboxuser@Linux:~$
```

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a@Linux: ~

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```
vboxuser@Linux:~$ ps aux | wc -l
194
vboxuser@Linux:~$ ps -e | wc -l
194
vboxuser@Linux:~$
```

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```
vboxuser@Linux:~$ ps aux | grep manager
vboxuser 76100 0.0 0.1 9540 2560 pts/2 S+ 16:29 0:00 grep --color=auto manager
vboxuser@Linux:~$ ps aux | grep manager | grep -v grep
vboxuser@Linux:~$ ps aux | grep -v grep
```

USER	PID	%CPU	%MEM	VSZ	RSS	TTY	STAT	START	TIME	COMMAND
root	1	0.0	0.6	168056	12396	?	Ss	05:01	0:11	/sbin/init splash
root	2	0.0	0.0	0	0	?	S	05:01	0:00	[kthreadd]
root	3	0.0	0.0	0	0	?	S	05:01	0:00	[pool_workqueue_release]
root	4	0.0	0.0	0	0	?	I<	05:01	0:00	[kworker/R-rcu_g]
root	5	0.0	0.0	0	0	?	I<	05:01	0:00	[kworker/R-rcu_p]
root	6	0.0	0.0	0	0	?	I<	05:01	0:00	[kworker/R-slab_]
root	7	0.0	0.0	0	0	?	I<	05:01	0:00	[kworker/R-netns]
root	10	0.0	0.0	0	0	?	I<	05:01	0:00	[kworker/0:0H-kblockd]
root	11	0.0	0.0	0	0	?	I<	05:01	0:00	[kworker/u4:0-ext4-rsv-conversion]
root	12	0.0	0.0	0	0	?	I<	05:01	0:00	[kworker/R-mm_pe]
root	13	0.0	0.0	0	0	?	I	05:01	0:00	[rcu_tasks_kthread]
root	14	0.0	0.0	0	0	?	I	05:01	0:00	[rcu_tasks_rude_kthread]
root	15	0.0	0.0	0	0	?	I	05:01	0:00	[rcu_tasks_trace_kthread]
root	16	0.0	0.0	0	0	?	S	05:01	0:01	[ksoftirqd/0]
root	17	0.0	0.0	0	0	?	I	05:01	0:13	[rcu_preempt]
root	18	0.0	0.0	0	0	?	S	05:01	0:00	[migration/0]
root	19	0.0	0.0	0	0	?	S	05:01	0:00	[idle_inject/0]
root	20	0.0	0.0	0	0	?	S	05:01	0:00	[cpuhp/0]
root	21	0.0	0.0	0	0	?	S	05:01	0:00	[cpuhp/1]
root	22	0.0	0.0	0	0	?	S	05:01	0:00	[idle_inject/1]
root	23	0.0	0.0	0	0	?	S	05:01	0:00	[migration/1]
root	24	0.0	0.0	0	0	?	S	05:01	0:02	[ksoftirqd/1]
root	29	0.0	0.0	0	0	?	S	05:01	0:00	[kdevtmpfs]
root	30	0.0	0.0	0	0	?	I<	05:01	0:00	[kworker/R-inet_]
root	32	0.0	0.0	0	0	?	S	05:01	0:00	[kauditd]
root	33	0.0	0.0	0	0	?	S	05:01	0:00	[khungtaskd]
root	34	0.0	0.0	0	0	?	S	05:01	0:00	[oom_reaper]
root	36	0.0	0.0	0	0	?	I<	05:01	0:00	[kworker/R-write]
root	37	0.0	0.0	0	0	?	S	05:01	0:06	[kcompactd0]
root	38	0.0	0.0	0	0	?	SN	05:01	0:00	[ksmd]
root	40	0.0	0.0	0	0	?	SN	05:01	0:00	[khugepaged]

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```
vboxuser@Linux:~$ nano numb.txt
```

```
vboxuser@Linux:~$ cat numb.txt
```

```
123
```

```
178
```

```
176
```

```
755
```

```
713
```

```
873
```

```
vboxuser@Linux:~$ grep '7[1|3|5]' numb.txt
```

```
755
```

```
713
```

```
873
```

```
vboxuser@Linux:~$
```

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```
vboxuser@Linux:~$ nano word.txt
vboxuser@Linux:~$ car word.txt
Command 'car' not found, but can be installed with:
sudo apt install ucommon-utils
vboxuser@Linux:~$ cat word.txt
starfish
starless
samscripiter
stellar
microsrar
ascrnder
sacrifice
scalar
vboxuser@Linux:~$ grep '\b\w*r\b' word.txt
samscripiter
stellar
scalar
vboxuser@Linux:~$
```

Home



vboxuser@Linux: ~



a@Linux: ~

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```
vboxuser@Linux:~$ nano emails.txt
```

```
vboxuser@Linux:~$ cat emails.txt
```

```
vboxuser@gmail.com
```

```
ilove@ru
```

```
ilov
```

```
hi@you
```

```
ok_iemail
```

```
vboxuser@Linux:~$ grep -E '^[A-Za-z0-9._%+-]+@[A-Za-z0-9.-]+\.[A-Za-z]{2,}$' emails.txt
```

```
vboxuser@gmail.com
```

```
vboxuser@Linux:~$
```

Home



vboxuser@Linux: ~



a@Linux: ~

vboxuser@Linux: ~

vboxuser@Linux: ~

vboxuser@Linux:~\$ nano ip.txt

vboxuser@Linux:~\$ cat ip.txt

255.255.255.255

0.0.0.0

257.257.255.255

321.1.2.3

1.2.255

24.255.255.255.251

-2.3.4.255

vboxuser@Linux:~\$ cat ip.txt | tr '.' '&gt;'

255&gt;255&gt;255&gt;255

0&gt;0&gt;0&gt;0

257&gt;257&gt;255&gt;255

321&gt;1&gt;2&gt;3

1&gt;2&gt;255

24&gt;255&gt;255&gt;255&gt;251

-2&gt;3&gt;4&gt;255

vboxuser@Linux:~\$ cat ip.txt | tr '2' '1'

155.155.155.155

0.0.0.0

157.157.155.155

311.1.1.3

1.1.155

14.155.155.155.151

-1.3.4.155

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```
vboxuser@Linux: ~  
a@Linux: ~ x vboxuser@Linux: ~ x vboxuser@Linux: ~  
vboxuser@Linux:~$ cat ip.txt  
255.255.255.255  
0.0.0.0  
257.257.255.255  
321.1.2.3  
1.2.255  
24.255.255.255.251  
-2.3.4.255  
1.2.3.255  
vboxuser@Linux:~$ grep -E -o '^(25[0-5]|2[0-4][0-9]|[0-1]?[0-9][0-9]?)\.(25[0-5]|2[0-4][0-9]|[0-1]?[0-9][0-9]?)\.(25[0-5]|2[0-4][0-9]|[0-1]?[0-9][0-9]?)\.(25[0-5]|2[0-4][0-9]|[0-1]?[0-9][0-9]?)$' ip.txt  
255.255.255.255  
0.0.0.0  
1.2.3.255  
vboxuser@Linux:~$
```



vboxuser@Linux: ~

Search, Menu, Window controls

a@Linux: ~

vboxuser@Linux: ~

vboxuser@Linux: ~

```
vboxuser@Linux:~$ nano phone.txt
vboxuser@Linux:~$ cat phone.txt
000
123
399
400
900
0
777
45
vboxuser@Linux:~$ grep -E '^(0[0-9][0-9]|[1-3][0-9][0-9])$' phone.txt
000
123
399
vboxuser@Linux:~$
```

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