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4/13/20

A) Hello, Kernel:

The screenshot below shows the “Hello, Kernel” message which was printed after loading “hello” module via “insmod” command.

```

an36@an36-VirtualBox: /var/log
GNU nano 4.3          syslog          Modified
Apr 12 14:11:35 an36-VirtualBox dbus-daemon[1061]: [session uid=1000 pid=1061] >
Apr 12 14:11:35 an36-VirtualBox systemd[1033]: Starting Tracker metadata extrac>
Apr 12 14:11:35 an36-VirtualBox dbus-daemon[1061]: [session uid=1000 pid=1061] >
Apr 12 14:11:35 an36-VirtualBox systemd[1033]: Started Tracker metadata extract>
Apr 12 14:11:45 an36-VirtualBox systemd[1033]: tracker-extract.service: Succeed>
Apr 12 14:12:05 an36-VirtualBox tracker-store[2574]: OK
Apr 12 14:12:05 an36-VirtualBox systemd[1033]: tracker-store.service: Succeede>
Apr 12 14:12:55 an36-VirtualBox PackageKit: daemon quit
Apr 12 14:12:55 an36-VirtualBox systemd[1]: packagekit.service: Main process ex>
Apr 12 14:12:55 an36-VirtualBox systemd[1]: packagekit.service: Succeeded.
Apr 12 14:14:54 an36-VirtualBox kernel: [ 572.531208] Hello, kernel
Apr 12 14:17:01 an36-VirtualBox CRON[3074]: (root) CMD ( cd / && run-parts -->
Apr 12 14:20:28 an36-VirtualBox systemd[1]: Starting Cleanup of Temporary Direc>
Apr 12 14:20:28 an36-VirtualBox systemd-tmpfiles[3090]: [/usr/lib/tmpfiles.d/sp>
Apr 12 14:20:28 an36-VirtualBox systemd-tmpfiles[3090]: [/usr/lib/tmpfiles.d/sp>
Apr 12 14:20:28 an36-VirtualBox systemd-tmpfiles[3090]: [/usr/lib/tmpfiles.d/sp>
Apr 12 14:20:28 an36-VirtualBox systemd-tmpfiles[3090]: [/usr/lib/tmpfiles.d/sp>
Apr 12 14:20:28 an36-VirtualBox systemd-tmpfiles[3090]: [/usr/lib/tmpfiles.d/sp>
Apr 12 14:20:28 an36-VirtualBox systemd[1]: systemd-tmpfiles-clean.service: Suc>
Apr 12 14:20:28 an36-VirtualBox systemd[1]: Started Cleanup of Temporary Direct>

^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify  ^C Cur Pos
^X Exit      ^R Read File ^_ Replace  ^U Paste Text ^T To Spell ^_ Go To Line

```

Moreover, the next screenshot below shows the “Goodbye, Kernel” message which was printed after removing the module using the “rmmod” command.

```

an36@an36-VirtualBox: /var/log
GNU nano 4.3          syslog          Modified
Apr 12 14:20:28 an36-VirtualBox systemd[1]: Started Cleanup of Temporary Direct>
Apr 12 14:26:25 an36-VirtualBox dbus-daemon[1061]: [session uid=1000 pid=1061] >
Apr 12 14:26:25 an36-VirtualBox systemd[1033]: Starting Tracker metadata databa>
Apr 12 14:26:25 an36-VirtualBox dbus-daemon[1061]: [session uid=1000 pid=1061] >
Apr 12 14:26:25 an36-VirtualBox systemd[1033]: Started Tracker metadata databas>
Apr 12 14:26:25 an36-VirtualBox dbus-daemon[1061]: [session uid=1000 pid=1061] >
Apr 12 14:26:25 an36-VirtualBox systemd[1033]: Starting Tracker metadata extrac>
Apr 12 14:26:25 an36-VirtualBox dbus-daemon[1061]: [session uid=1000 pid=1061] >
Apr 12 14:26:25 an36-VirtualBox systemd[1033]: Started Tracker metadata extract>
Apr 12 14:26:35 an36-VirtualBox systemd[1033]: tracker-extract.service: Succeed>
Apr 12 14:26:55 an36-VirtualBox tracker-store[3144]: OK
Apr 12 14:26:55 an36-VirtualBox systemd[1033]: tracker-store.service: Succeede>
Apr 12 14:27:50 an36-VirtualBox kernel: [ 1347.804613] Goodbye, kernel

^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify  ^C Cur Pos
^X Exit      ^R Read File ^_ Replace  ^U Paste Text ^T To Spell ^_ Go To Line

```