

# 101-400 - LPI Level 1 Exam 101, Junior Level Linux Certification, Part 1 of 2

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1. Which of the following statements is correct when talking about /proc/?

- A. All changes to files in /proc/ are stored in /etc/proc.d/ and restored on reboot.
- B. All files within /proc/ are read-only and their contents cannot be changed.
- C. All changes to files in /proc/ are immediately recognized by the kernel.
- D. All files within /proc/ are only readable by the root user.

**Answer: C**

2. Which of the following are init systems used within Linux systems? (Choose THREE correct answers.)

- A. startd
- B. systemd
- C. Upstart
- D. SysInit
- E. SysV init

**Answer: B,C,E**

3. What of the following statements are true regarding /dev/ when using udev? (Choose TWO correct answers.)

- A. Entries for all possible devices get created on boot even if those devices are not connected.
- B. Additional rules for udev can be created by adding them to /etc/udev/rules.d/.
- C. When using udev, it is not possible to create block or character devices in /dev/ using mknod.
- D. The /dev/ directory is a filesystem of type tmpfs and is mounted by udev during system startup.
- E. The content of /dev/ is stored in /etc/udev/dev and is restored during system startup.

**Answer:** B,D

4. What is the first program that is usually started, at boot time, by the Linux kernel when using SysV init?

- A. /lib/init.so
- B. /sbin/init
- C. /etc/rc.d/rcinit
- D. /proc/sys/kernel/init
- E. /boot/init

**Answer:** B

5. Which of the following commands brings a system running SysV init into a state in which it is safe to perform maintenance tasks? (Choose TWO correct answers.)

- A. shutdown -R 1 now
- B. shutdown -single now
- C. init 1
- D. telinit 1
- E. runlevel 1

**Answer:** C,D

6. Which of the following information is stored within the BIOS? (Choose TWO correct answers.)

- A. Boot device order
- B. Linux kernel version
- C. Timezone
- D. Hardware configuration

E. The system's hostname

**Answer:** A,D

7. Which SysV init configuration file should be modified to disable the ctrl-alt-delete key combination?

A. /etc/keys

B. /proc/keys

C. /etc/inittab

D. /proc/inittab

E. /etc/reboot

**Answer:** C

8. Which of the following commands reboots the system when using SysV init? (Choose TWO correct answers.)

A. shutdown -r now

B. shutdown -r "rebooting"

C. telinit 6

D. telinit 0

E. shutdown -k now "rebooting"

**Answer:** A,C

9. CORRECT TEXT

Which command will display messages from the kernel that were output during the normal boot sequence?

**Answer:** dmesg, /bin/dmesg

10. Which run levels should never be declared as the default run level when using SysV init?

(Choose TWO correct answers.)

- A. 0
- B. 1
- C. 3
- D. 5
- E. 6

**Answer:** A,E

11. Which of the following options for the kernel's command line changes the systemd boot target to rescue.target instead of the default target?

- A. `systemd.target=rescue.target`
- B. `systemd.runlevel=rescue.target`
- C. `systemd.service=rescue.target`
- D. `systemd.default=rescue.target`
- E. `systemd.unit=rescue.target`

**Answer:** E

12. Which of the following commands will write a message to the terminals of all logged in users?

- A. `bcast`
- B. `mesg`
- C. `print`
- D. `wall`
- E. `yell`

**Answer:** D

13. During a system boot cycle, what program is executed after the BIOS completes its tasks?

- A. The bootloader
- B. The inetd program
- C. The init program
- D. The kernel

**Answer:** A

14. CORRECT TEXT

Which file in the /proc filesystem lists parameters passed from the bootloader to the kernel?

(Specify the file name only without any path.)

**Answer:** cmdline, /proc/cmdline

15. What information can the lspci command display about the system hardware? (Choose THREE correct answers.)

- A. Device IRQ settings
- B. PCI bus speed
- C. System battery type
- D. Device vendor identification
- E. Ethernet MAC address

**Answer:** A,B,D

16. Which of the following kernel parameters instructs the kernel to suppress most boot messages?

- A. silent
- B. verbose=0

C. nomesg

D. quiet

**Answer: D**

17. Which of the following commands lists the dependencies of a given dpkg package?

A. apt-cache depends-on package

B. apt-cache dependencies package

C. apt-cache depends package

D. apt-cache requires package

**Answer: C**

18. Which function key is used to start Safe Mode in Windows NT?

A. F10

B. F8

C. F6

D. Windows NT does not support Safe Mode

**Answer: D**

19. CORRECT TEXT

In which directory must definition files be placed to add additional repositories to yum?

**Answer:** /etc/yum.repos.d, /etc/yum.repos.d/, yum.repos.d, yum.repos.d/

20. CORRECT TEXT

Which Debian package management tool asks the configuration questions for a specific already installed package just as if the package were being installed for the first time?

(Specify ONLY the command without any path or parameters.)

**Answer:** dpkg-reconfigure



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