

LPI 1-1 Practice Exam – 40 questions

★ Frage 1:

Which of the following is the act of creating a virtual version of components such as storage devices and computer network resources called?

- ☒ Virtualization
- ☐ Virtual Reality
- ☐ Actualization
- ☐ Realization

★ Frage 2:

What does GUI stand for?

- ☐ General User Interface
- ☐ Great User Image
- ☐ Generic Unique Interlink
- ☒ Graphical User Interface

★ Frage 3:

Which of the following does Raspbian Linux run on?

- ☐ AWS cloud
- ☐ Smartphone
- ☒ Raspberry Pi
- ☐ Vehicle entertainment system

★ Frage 4:

Which of the following is an example of embedded Linux?

☒ Android

☐ Red Hat Linux

☐ Fedora

☐ Linux Mint

★ Frage 5:

What directly controls hardware and translates the commands from a piece of software into something the hardware can understand and act upon?

☐ Finder

☐ Explorer

☒ Kernel

☐ Procmon

★ Frage 6:

Which of the following programs on a Linux system could you use as a replacement for Microsoft Word?

☐ Pages

☐ Pico

☒ Writer

☐ Nano

★ Frage 7:

Which of the following is an American non-profit organization devoted to expanding the range of creative works available for others to build upon legally and to share?

☐ Open Commons

☐ Open Source Non-profit

☒ Creative Commons

☐ Free Creative

★ Frage 8:

What is the generic name given to the action of protecting shell meta-characters from being treated specially by the shell?

☐ Nulling

☐ Quoting

☐ Slashing

☐ Queuing

★ Frage 9:

Which of the following can be used to represent a single number from 3 to 9?

☐ [3456789]

☒ [3-9]

☐ [three-nine]

☐ [9-3]

★ Frage 10:

Which of the following is a valid option for a typical command to get its built-in usage information?

☐ -?

☐ help

☒ --manual

☐ -help

★ Frage 11:

Which option will cause the echo command NOT to output a trailing newline?

☐ -p

☐ -n

☐ -s

☐ -t

★ Frage 12:

Which of the following commands will output a list of all of the file names under your home directory and all subdirectories with file names ending with .pdf?

☐ search .pdf

☐ ls -name -R '*.pdf'

☐ find /home/*.pdf

☒ find ~ -name '*.pdf'

★ Frage 13:

What is a set of pages that explain every command available on the system?

☒ Man pages

☐ Help pages

☐ Master pages

☐ Informational pages

★ Frage 14:

Your current present working directory is `/home/jason/documents/`. You just entered `cd ..` into the command line and then enter `pwd`. What output do you receive?

☐ `/home/jason/documents/`

☒ `/home/jason`

☐ `/home`

☐ `/home/jason/documents/..`

★ Frage 15:

Which of the following options must be used with `rmdir` to remove a directory and its subdirectories?

☐ `rmdir -r`

☒ `rm -r`

☐ `rmdir`

☐ `rm -all`

★ Frage 16:

Which of the following is NOT a valid rule in naming a variable?

☐ Variable names must start with a letter

☒ Variable names must start with numbers

☐ Underscores are used instead of embedded spaces

☐ Punctuation marks are not allowed

★ Frage 17:

What is the proper command to use to compress the file filename.txt into the zip archive called myfile.zip?

☒ zip myfile.zip filename.txt

☐ unzip filename.txt myfile.zip

☐ zip filename.txt myfile.zip

☐ unzip myfile.zip filename.txt

★ Frage 18:

What statement is used to get input from the terminal when a shell script is being run?

☐ input

☐ scan

☒ read

☐ in

Consider the following script:

```
#!/bin/bash
ip=`route -n | grep UG | tr -s " " | cut -f 2 -d " "`
echo "Checking to see if $ip is up..."
ping -c 5 $ip
```

Which of the following would be the first line displayed to the screen when the script is executed by the user?

☐ Pinging ipaddress...

☒ Checking to see if ipaddress is up...

☐ Checking ipaddress...

☐ Pinging IP...

★ Frage 20:

Which option can be used with tail to print the last 10 lines of a file and then keep printing any new lines that may be added continuously?

☐ -n

☒ -f

☐ -x

☐ -a

★ Frage 21:

Which command is used to make a shell variable known to subsequently executed programs?

☐ announce

☐ env

☒ export

☐ transfer

★ Frage 22:

What option can be used with cat to display line numbers with the text of a file to the screen?

☐ #

☐ -x

☒ -n

☐ -1

★ Frage 23:

What is one of the most basic features of a shell script?

☐ The ability to compile programs

☒ The ability to run commands

☐ The ability to ask for user input

☐ The ability to display command output information

★ Frage 24:

Which of the following commands will create an archive file, named backup.tar, containing all the files from the directory /home?

☒ tar -cf backup.tar /home

☐ tar -cf /home backup.tar

☐ tar -xf /home backup.tar

☐ tar -xf backup.tar /home

★ Frage 25:

Which command is used to print the first 10 lines of a file to the display?

☐ cat

☐ tail

☒ head

☐ less

★ Frage 26:

What does HCL mean?

☐ Hindustan Computer Limited

☒ Hardware Compatibility List

☐ Hardware Computer License

☐ House Computer Linux

★ Frage 27:

What is a daemon?

☐ A specialized system file

☐ A type of virus that destroys system files

☒ A program that runs in the background of the system

☐ A configuration file

★ Frage 28:

Which of the following is a requirement of the GPL license but not the BSD license?

- ☐ The GPL license forbids the removal of copyright and license notices from source code files that are distributed
- ☐ The GPL license contains a disclaimer of warranty requiring users not to hold the software authors liable for any damages
- ☐ The GPL license requires that any legal disputes be settled with the mediation of the Free Software Foundation
- ☒ Users who modify and distribute the software under the GPL license must make the modifications they made available to the recipients under the same license

★ Frage 29:

Which of the following is the correct order of a computer's operation?

- ☐ (1) The computer waits for user input, (2) The computer executes the command, (3) The user selects a command and enters it via the keyboard or mouse
- ☐ (1) The computer executes the command, (2) The computer waits for user input, (3) The user selects a command and enters it via the keyboard or mouse
- ☐ (1) The user selects a command and enters it via the keyboard or mouse, (2) The computer executes the command, (3) The computer waits for user input
- ☒ (1) The computer waits for user input, (2) The user selects a command and enters it via the keyboard or mouse, (3) The computer executes the command

★ Frage 30:

After installing a new package, in which directory are you most likely to find its configuration file?

- ☐ /lib
- ☒ /etc
- ☐ /conf
- ☐ /usr

★ Frage 31:

Which of the following displays network connections for Transmission Control Protocol, routing tables, and a number of network interface and network protocol statistics?

☐ net

☐ ping

☒ netstat

☐ traceroute

★ Frage 32:

Which of the following directories is often used to store log files?

☒ /var

☐ /temp

☐ /dev/hdc1d2p3

☐ /usr

★ Frage 33:

Which of the following is used as a virtual or pseudo filesystem to provide a tree of all of the device nodes and drivers in the running kernel?

☐ /boot

☐ /proc

☒ /sys

☐ /dev

★ Frage 34:

Which of the following files holds the definition of the local user accounts?

☐ c/users

☒ /etc/passwd

☐ c/id

☐ c/home

★ Frage 35:

What permissions does foo1.txt have after running "chmod 644 foo1.txt"?

☐ foo1.txt is readable/writeable by the owner

☐ foo1.txt is readable/writable by everyone

☐ foo1.txt is executable by the owner

☒ foo1.txt is writeable by the group

★ Frage 36:

Which type of link is used to points to another file like a shortcut in Windows or a Macintosh alias?

☐ Hard link

☒ Symbolic link

☐ Sticky link

☐ Smooth link

★ Frage 37:

Which type of link contains the data in the target file?

☐ Hard link

☒ Symbolic link

☐ Sticky link

☐ Smooth link

★ Frage 38:

Which of the following commands is used to show the information about a directory or a symbolic link?

☒ ls -d

☐ ls -s

☐ ln -d

☐ ln -s

★ Frage 39:

A file currently has permissions of 755. Which of the following commands would change file permission to r-xr--r--?

☒ `chmod u-rx,go-r filename`

☐ `chmod u+w,go+x filename`

☐ `chmod r-wr--r-- filename`

☐ `chmod 544 filename`

★ Frage 40:

Which of the following tasks is not performed automatically for a user account when it is created using the `useradd` command?

☐ Assign a UID

☒ Create the user's home directory

☐ Assign a default shell

☐ Define the user's home directory