Which two of the following are benefits of open-source software for the user? (Choose two)

Sensitive portions of code are protected and only available to the original developer.

Code can survive the loss of the original developer or distributor $% \left(1\right) =\left(1\right) \left(1\right)$

\Rightarrow Q1: Choose the correct answers to the following questions: [Chapter-1

 \bigcirc B

	©	You can learn from rea	al-w	orld code and devel	lop m	ore effective applic	atio	ns.
	D	Code remains open as	long	g as it is in a public	c repo	ository, but the lice	nse :	may change when
		included with closed s	sourc	e software				
2.	Whi	ch two of the following	are v	ways in which Red	Hat	develops their prod	lucts	for the future and
	inter	acts with the communi	ity? (Choose two)				
	A	Sponsor and integrate	oper	n-source projects in	to th	e community-drive	en Fe	edora project.
	В	Develop specific integr	ratio	n tools only availab	ole in	Red Hat distribution	ns.	
	©	Participate in upstream	m pro	ojects.				
	D	Repackage and re-lice	nse o	community produc	ts.			
3.	Whi	ch two statements desc	ribe	the benefits of Linu	ıx? (C	Choose two)		
	A	Linux is developed en	tirely	by volunteers mal	king i	it a low-cost operat	ing s	system.
	B	B Linux is modular and can be configured as a full graphical desktop or a small appliance.					nall appliance.	
	©	C) Linux is locked in a known state for a minimum of one year for each release, making it easier						
		to develop custom software.						
	(D)	Linux includes a p	ower	ful and scriptabl	e co	mmand-line inte	rface	, enabling easier
		automation and provis	sioni	ng.				
⇒ Q2: C	hoose	the correct answers t	o the	following questic	ons: [Chapter-2]		
1.	W	hich term describes the	inte	rpreter that execut	es co	mmands typed as s	string	gs?
	A	Command	В	Console	©	Shell	D	Terminal
2.	W	hich term describes the	visu	al cue that indicate	es an	interactive shell is	wai	ting for the user to
	tyj	pe a command?						
	A	Argument	В	Command	©	Option	(D)	Prompt
3.	W	hich term describes the	nan	ne of a program to r	un?			
	A	Argument	B	Command	©	Option	D	Prompt
4.	W	hich term describes the	part	of the command li	ne th	at adjusts the beha	vior	of a command?
	A	Argument	В	Command	©	Option	D	Prompt
5.	W	hich term describes the	e par	t of the command l	ine t	hat specifies the ta	rget	that the command
	sh	ould operate on?						
	A	Argument	В	Command	©	Option	D	Prompt

6.	Which term describes the hardware display and keyboard used to interact with a system?						
	A Physical Console	В	Virtual Console	C	Shell	D	Terminal
7.	Which term describes o login session?	ne of	multiple logical c	onsol	es that can each s	suppo	rt an independent
	Physical Console	B	Virtual Console	©	Shell	D	Terminal
8.	Which term describes ar a shell session?	n inter	face that provides	a dis	play for output and	d a ke	yboard for input to
	A Physical Console	В	Virtual Console	©	Shell	D	Terminal
⇒ Part 2	: Executing Commands Us	ing th	ne Bash Shell				
1.	Which Bash shortcut or co	omma	nd jumps to the beg	innin	g of the previous wo	ord on	the command line?
	A Pressing Ctrl+LeftArrow	В	Pressing Ctrl+K	©	Pressing Ctrl+A	D	!string
2.	Which Bash shortcut or	comm	and separates con	nman	ds on the same lir	ne?	
	Pressing Tab	В	history	©	;	D	Pressing Esc+.
3.	Which Bash shortcut or command line?	comn	nand is used to cle	ear ch	aracters from the	curso	or to the end of the
	A Pressing Ctrl+LeftArrow	В	Pressing Ctrl+K	©	;	D	Pressing Esc+.
4.	Which Bash shortcut or command name?	comi	mand is used to r	e-exe	cute a recent com	nmano	l by matching the
	(A) !number	В	!string	©	history	D	Pressing Esc+.
5.	Which Bash shortcut or	comm	and is used to con	nplete	e commands, file n	ames	, and options?
	(A) ;	В	!number	©	history	D	Pressing Tab
6.	Which Bash shortcut or	comm	and re-executes a	speci	ific command in th	ne his	tory list?
	A !number	В	!string	©	history	D	Pressing Esc+.
7.	Which Bash shortcut or	comm	and jumps to the l	oegin	ning of the comma	and li	ne?
	A	В		©	Pressing Ctrl+K	D	Preesing Ctrl+A
8.	Which Bash shortcut or	comm	and displays the l	ist of	previous comman	ds?	
	(A) !string	В	!number	©	history	D	Pressing Esc+.
9.	Which Bash shortcut or	comm	and copies the las	t argı	ument of previous	comn	nands?
	A Pressing Ctrl+K	В	Preesing Ctrl+A	©	!number	D	Pressing Esc+.

⇒ Q3: Cho	ose the correct answe	rs to the following qu	estions: [Chapter-3]	
⇒ Part 1: I	Linux File System Hier	archy Concepts		
1.	Which directory conta	ains persistent, system	-specific configuration da	ta?
	A /etc	B /root	© /run	D /usr
2.	Which directory is the	e top of the system's file	e system hierarchy?	
	A /etc	B /	© /home/root	D /root
3.	Which directory conta	ains user home director	ries?	
	A /	B /home	© /root	D /user
4.	Which directory conta	ains temporary files?		
	A /tmp	B /trash	© /run	D /var
5.	Which directory conta	ains dynamic data, sucl	h as for databases and we	bsites?
	A /etc	B /run	© /usr	D /var
6.	Which directory is the	e administrative superu	iser's home directory?	
	(A) /etc	B /	© /home/root	D /root
7.	Which directory conta	ains regular commands	s and utilities?	
	(A) /commands	B /run	© /usr/bin	D /usr/sbin
8.	Which directory conta	ains non-persistent pro	cess runtime data?	
	(A) /tmp	B /etc	© /run	D /var
9.	Which directory conta	ains installed software	programs and libraries?	
	(A) /etc	B /lib	© /usr	D /var
\Rightarrow Part 2:	Specifying Files by Na	ame		
1.	Which command is u	used to return to the cu	irrent user's home directo	ory, assuming the current
	working directory is /	tmp and their home di	-	_
	(A) cd	B cd	© cd *	D cd/home
2.	Which command disp	plays the absolute path	name of the current locat	ion?
	(A) cd	B pwd	© ls -	D ls -d
3.	Which command wil working directory?	ll always return you to	o the working directory	used prior to the current
	A cd -	B cd-p	© cd ~	D cd
4.	Which command wil	ll always change the v	working directory up two	o levels from the current
	location?			
	A cd ~	B cd/	© cd/	D cd -u2
5.	Which command lists files?	s files in the current lo	ocation, using a long forn	nat, and including hidden
	A llong ~	B ls -a	© ls -l	D ls -al

wnich command wi	in armays origings the m	g , ,		
(A) cd bin	B cd/bin	© cd ~bin	D cd -bin	
Which command w	ill change the working (directory to /tmp if the c	urrent working direc	tory is
/home/student?				
A cd ~	B cd	© cd/	D cd -ul	
Which command war /home/student?	ill change the working o	directory to /tmp if the c	urrent working direc	tory is
(A) cd tmp	(B) cd	© cd//tmp	© cd ~tmp	
Matching File Names	with Shell Expansion	s		
Which pattern will r	natch only filenames er	nding with "b"?		
(A) b*	B *b	© *b*	D [!b]*	
Which pattern will r	natch only filenames be	eginning with "b"?		
(A) b*	B *b	© *b*	D [!b]*	
Which pattern will r	natch only filenames w	here the first character is	s not "b"?	
(A) b*	B *b	© *b*	(b) [!b]*	
Which pattern will r	natch all filenames con	taining a "b"?		
(A) b*	B *b	© *b*	D [!b]*	
Which pattern will r	natch only filenames th	at contain a number?		
A *#*	<pre>B *[[:digit:]]*</pre>	© *[digit]*	D [0-9]	
Which pattern will r	natch only filenames th	at begin with an upperca	ise letter?	
A ^?*	B ^*	© [upper]*	<pre>D [[:upper:]]*</pre>	
Which pattern will r	natch only filenames at	least three characters in	length?	
	_	(C)	(C) 10th	
A ???*	B ???	(c) +++*	(D) \3*	
pter 4 doesn't contain I	MCQ.			
pter 4 doesn't contain l	MCQ. vers to the following qu	ıestions: [Chapter-5]		
pter 4 doesn't contain I oose the correct answ Which answer displ	MCQ. vers to the following quays output to a terminal	nestions: [Chapter-5] and ignores all errors?		
pter 4 doesn't contain I oose the correct answ Which answer displ	MCQ. Ters to the following quays output to a terminal B 2> &> file	nestions: [Chapter-5] and ignores all errors? © 2>/dev/null	D 1>/dev/nul	l
pter 4 doesn't contain I oose the correct answ Which answer displa A &>file Which answer sends	MCQ. Ters to the following quays output to a terminal B 2> &> file s output to a file and sen	nestions: [Chapter-5] and ignores all errors? C 2>/dev/null ands errors to a different fi	D 1>/dev/null	l
pter 4 doesn't contain I oose the correct answ Which answer disple A &>file Which answer sends A >file 2>file2	MCQ. The following quays output to a terminal B 2> &> file S output to a file and sen B >file 1>file2	lestions: [Chapter-5] and ignores all errors? 2>/dev/null ands errors to a different fi	D 1>/dev/nullle? D tee file	
pter 4 doesn't contain I oose the correct answ Which answer displa A &>file Which answer sends A >file 2>file2 Which answer sends	MCQ. The series to the following quays output to a terminal B 2> &> file S output to a file and sen B >file 1>file2 S both output and errors	lestions: [Chapter-5] and ignores all errors? 2>/dev/null ads errors to a different fi >file &2>file2 to a file, creating it or ov	D 1>/dev/null le? D tee file erwriting its content	
pter 4 doesn't contain I oose the correct answ Which answer displa A &>file Which answer sends A >file 2>file2 Which answer sends A tee file	MCQ. There is to the following quarter and the following quarter and seminal	lestions: [Chapter-5] and ignores all errors? 2>/dev/null ads errors to a different fi >file &2>file2 to a file, creating it or ov 1 &>file	D 1>/dev/null le? D tee file erwriting its content D &>file	
pter 4 doesn't contain I oose the correct answ Which answer displa A &>file Which answer sends A >file 2>file2 Which answer sends A tee file	MCQ. There is to the following quarter and the following quarter and seminal	lestions: [Chapter-5] and ignores all errors? 2>/dev/null ads errors to a different fi >file &2>file2 to a file, creating it or ov	D 1>/dev/null le? D tee file erwriting its content D &>file	
	A cd bin Which command withome/student? A cd ~ Which command withome/student? A cd tmp Matching File Names Which pattern will re A b* Which pattern will re A cd tmp	A cd bin B cd /bin Which command will change the working of /home/student? A cd ~ B cd Which command will change the working of /home/student? A cd tmp B cd Matching File Names with Shell Expansion Which pattern will match only filenames er A b* B *b Which pattern will match only filenames be A b* B *b Which pattern will match only filenames w A b* B *b Which pattern will match only filenames w A b* B *b Which pattern will match all filenames com A b* B *b Which pattern will match only filenames th A *#* B *[:digit:] * Which pattern will match only filenames th A *?* B ** Which pattern will match only filenames at	A cd bin B cd/bin C cd ~bin Which command will change the working directory to /tmp if the common of the common	Which command will change the working directory to /tmp if the current working direct/home/student? (A) cd ~ (B) cd (C) cd/ (D) cd -u1 Which command will change the working directory to /tmp if the current working direct/home/student? (A) cd tmp (B) cd (C) cd//tmp (D) cd ~tmp Matching File Names with Shell Expansions Which pattern will match only filenames ending with "b"? (A) b* (B) *b (C) *b* (D) [lb]* Which pattern will match only filenames beginning with "b"? (A) b* (B) *b (C) *b* (D) [lb]* Which pattern will match only filenames where the first character is not "b"? (A) b* (B) *b (C) *b* (D) [lb]* Which pattern will match all filenames containing a "b"? (A) b* (B) *b (C) *b* (D) [lb]* Which pattern will match only filenames that contain a number? (A) *#* (B) *[[digit:]]* (C) *[digit]]* (D) [0-9] Which pattern will match only filenames that begin with an uppercase letter? (A) *?* (B) ** (C) [upper]* (D) [[upper:]]* Which pattern will match only filenames at least three characters in length?

	A >file 2>file2	B &>/dev/null	© %>/dev/null 2>file	D &>file
6.	Which answer sends	output to both the screen	and a file at the same	time?
	(A) &>/dev/null	B >file 2>file2	© tee file	D < file
7.	Which answer saves	output to a file and discar	ds error messages?	
	(A) tee file2> /dev/null	B &>file	© > file 1> /dev/null	D > file 2> /dev/null
		rs to the following quest		
1.	Which item represent	s a number that identifies		
	(A) primary user	(B) UID	© GID	(D) username
2.	Which item represent	s the program that provid	es the user's comma	nd-line prompt?
	A primary shell	B home directory	© login shell	O command namr
3.	Which item or file rep	resents the location of the	e local group informa	tion?
	A home directory	B /etc/passwd	© /etc/GID	D /etc/group
4.	Which item or file rep	resents the location of the	e user's personal files	?
	A home directory	B login shell	© /etc/passwd	D /etc/group
5.	Which item represent	s a number that identifies	the group at the mos	st fundamental level?
	A primary group	B UID	© GID	groupid
6.	What is the fourth fiel	ld of the /etc/passwd file?		
	(A) home directory	B /etc/passwd	© /etc/UID	D /etc/group
7.	What is the fourth fiel	ld of the /etc/passwd file?		
	(A) home directory	B UID	© login shell	D primary group

Which answer discards all messages normally sent to the terminal?

5.

\Rightarrow Q6: Choose the correct answers to the following questions: [Chapter-7]

Review the following information and use it to answer the quiz questions.

	TI	he system has f	our users assi	gned to the follow	ving groups	5:					
		User operato User contrac	r1 is in group tor1 is in gro	ups consultant s operator1 and ups contractor s operator2 and	databas 1 and con	e1 tractor3					
	TI	he current direc	tory (.) conta	nins four files with	the follow	ing permiss	ions informa	tion:			
		drwxrwxr-xrw-rw-rrw-rrwrw-r	operator1 consultant1 consultant1 operator1 operator1		lfile1 lfile2 rfile1 rfile2						
1.	Which req	ular file is o	wned by o	perator1 and	readable	e by all u	sers?				
	(A) 1file1			file2	(c)	rfile1		(D)	rfile	2	
2.	Which file	can be mod	lified by th	e contractor1	user?			Ü			
	(A) 1file1		B 1	file2	©	rfile1		D	rfile	2	
3.	Which file	cannot be r	ead by the	operator2 us	er?						
	A lfile1		B 11	file2	C	rfile1		D	rfile	2	
4.	Which file	has a group	ownershi	p of consulta	nt1?						
	A 1file1		B 11	file2	©	rfile1		D	rfile	2	
5.	Which file	s can be del	eted by the	e operator1 us	er?						
	(A) rfile1		B ri	file2	©	all of th	e above	D	non	e of the a	above
6.	Which file	s can be del	eted by the	e operator2 us	ser?						
	A rfile1		B rf	file2	©	all of th	e above	0	non	e of the a	above
				ollowing que	_	-	_				
1.		•	-	s that has bee	en stopp		-			-	
0	(A) D	В	R	© S	1 . 1	(D)	Т		(E)	Z	
2.		-	_	s that has rel	eased ai			хсерт			
2	(A) D	(B)	R	© S		(D)	T	7	E	Z	
3.			_	e to duplicate			_	ess?	<u>(-</u>)	roon	
A	(A) exec		fork	© zom		(D)	syscall	ia m a+	(E)	reap	
4.			_	s that is sleep	oing unt			is mei		7	
	(A) D	В	R	© S		(D)	T		(E)	Z	

\Rightarrow Q8: Choose the correct answers to the following questions: [Chapter-11]

1.	Whi	ch of these log files stores most syslog messages, with the exception of those that are relat	ted
	to au	thentication, mail, scheduled jobs, and debugging?	
	A	/var/log/maillog	
	В	/var/log/boot.log	
	©	/var/log/messages	
	D	/var/log/secure	
2.	Whi syste	ch log file stores syslog messages related to security and authentication operations in $^{ m tm}$?	the
	A	/var/log/maillog	
	lacksquare	/var/log/boot.log	
	©	/var/log/messages	
	D	/var/log/secure	
3.	Whi	ch service sorts and organize ssyslog messages into files in /var/log?	
	A	rsyslog B systemd-journald C auditd D tuned	
4.	Whi	ch directory accommodates the human-readable syslog files?	
	A	/sys/kernel/debug	
	B	/var/log/journal	
	©	/run/log/journal	
	D	/var/log	
5.	Whi	ch file stores syslog messages related to the mail server?	
	A	/var/log/lastlog	
	B	/var/log/maillog	
	©	/var/log/tallylog	
	D	/var/log/boot.log	
6.	Whi	ch file stores syslog messages related to the scheduled jobs?	
	A	/var/log/cron	
	B	/var/log/tallylog	
	©	/var/log/spooler	
	D	/var/log/secure	
7.	Wha	t file stores console messages related to system startup?	
	A	/var/log/cron	
	B	/var/log/tallylog	
	©	/var/log/boot.log	
	D	/var/log/secure	

⇒ Summary – Chapter 1:

- Open source software is software with source code that anyone can freely use, study, modify, and share.
- A Linux distribution is an installable operating system constructed from a Linux kernel and supporting user programs and libraries.
- Red Hat participates in supporting and contributing code to open source projects, sponsors and integrates
 project software into community-driven distributions, and stabilizes the software to offer it as supported
 enterprise-ready products.
- Red Hat Enterprise Linux is Red Hat's open source, enterprise-ready, commercially-supported Linux distribution.

⇒ Summary – Chapter 2:

- The Bash shell is a command interpreter that prompts interactive users to specify Linux commands.
- Many commands have a --help option that displays a usage message or screen.
- Using workspaces makes it easier to organize multiple application windows.
- The Activities button located at the upper-left corner of the top bar provides an overview mode that helps a user organize windows and start applications.
- The file command scans the beginning of a file's contents and displays what type it is.
- The **head** and **tail** commands display the beginning and end of a file, respectively.
- You can use **Tab** completion to complete file names when typing them as arguments to commands.

⇒ Summary – Chapter 3:

- Files on a Linux system are organized into a single inverted tree of directories, known as a file-system hierarchy.
- Absolute paths start with a / and specify the location of a file in the file-system hierarchy.
- Relative paths do not start with a / and specify the location of a file relative to the current working directory.
- Five key commands are used to manage files: mkdir, rmdir, cp, mv, and rm.
- Hard links and soft links are different ways to have multiple file names point to the same data.
- The Bash shell provides pattern matching, expansion, and substitution features to help you efficiently run commands.

⇒ Summary – Chapter 5:

- Running programs, or processes, have three standard communication channels, standard input, standard output, and standard error.
- You can use I/O redirection to read standard input from a file or write the output or errors from a process to a file.
- Pipelines can be used to connect standard output from one process to standard input of another process,
 and can be used to format output or build complex commands.
- You should know how to use at least one command-line text editor, and Vim is generally installed.
- Shell variables can help you run commands and are unique to a particular shell session.
- Environment variables can help you configure the behavior of the shell or the processes it starts.

⇒ Summary – Chapter 6:

- There are three main types of user account: the superuser, system users, and regular users.
- A user must have a primary group and may be a member of one or more supplementary groups.
- The three critical files containing user and group information are /etc/passwd, /etc/group, and /etc/shadow.
- The **su** and **sudo** commands can be used to run commands as the superuser.
- The **useradd**, **usermod**, and **userdel** commands can be used to manage users.
- The groupadd, groupmod, and groupdel commands can be used to manage groups.
- The **chage** command can be used to configure and view password expiration settings for users.

\Rightarrow Summary – Chapter 7:

- Files have three categories to which permissions apply. A file is owned by a user, a single group, and
 other users. The most specific permission applies. User permissions override group permissions and
 group permissions override other permissions.
- The ls command with the -l option expands the file listing to include both the file permissions and ownership.
- The **chmod** command changes file permissions from the command line. There are two methods to represent permissions, symbolic (letters) and numeric (digits).
- The **chown** command changes file ownership. The **-R** option recursively changes the ownership of a directory tree.
- The umask command without arguments displays the current umask value of the shell. Every process on the system has a umask. The default umask values for Bash are defined in the /etc/profile and /etc/bashrc files.

⇒ Summary – Chapter 8:

- A process is a running instance of an executable program. Processes are assigned a state, which can be running, sleeping, stopped, or zombie. The ps command is used to list processes.
- Each terminal is its own session and can have foreground process and independent background processes. The jobs command displays processes within a terminal session.
- A signal is a software interrupt that reports events to an executing program. The kill, pkill, and killall commands use signals to control processes.
- Load average is an estimate of how busy the system is. To display load average values, you can use the top, uptime, or w command.

\Rightarrow Summary – Chapter 9:

- systemd provides a method for activating system resources, server daemons, and other processes, both at boot time and on a running system.
- Use the systemctl to start, stop, reload, enable, and disable services.
- Use the systemctl status command to determine the status of system daemons and network services started by systemd.
- The systemctl list-dependencies command lists all service units upon which a specific service unit depends.
- systemd can mask a service unit so that it does not run even to satisfy dependencies.

⇒ Summary – Chapter 10:

- The ssh command allows users to access remote systems securely using the SSH protocol.
- A client system stores remote servers' identities in ~/.ssh/known_hosts and /etc/ssh/ssh_known_hosts.
- SSH supports both password-based and key-based authentication.
- The ssh-keygen command generates an SSH key pair for authentication. The ssh-copy-id command exports the public key to remote systems.
- The sshd service implements the SSH protocol on Red Hat Enterprise Linux systems.
- It is a recommended practice to configure sshd to disable remote logins as root and to require
- public key authentication rather than password-based authentication.

⇒ Summary – Chapter 11:

- The systemd-journald and rsyslog services capture and write log messages to the appropriate files.
- The /var/log directory contains log files.
- Periodic rotation of log files prevent them from filling up the file system space.
- The systemd journals are temporary and do not persist across reboot.
- The chronyd service helps to synchronize time settings with a time source.
- The time zone of the server can be updated based on its location.

⇒ Summary – Chapter 13:

- The tar command creates an archive file from a set of files and directories, extracts files from the archive, and lists the contents of an archive.
- The tar command provides a set of different compression methods reduce archive size.
- Besides providing a secure remote shell, the SSH service also provides the scp and sftp commands as secure ways to transfer files from and to a remote system running the SSH server.
- The **rsync** command securely and efficiently synchronizes files between two directories, either one of which can be on a remote system.

\Rightarrow Important Red Hat Enterprise Linux Directories

Location	Purpose
/usr	Installed software, shared libraries, include files, and read-only program data.
	Important subdirectories include:
	- /usr/bin: User commands.
	- /usr/sbin: System administration commands.
	- /usr/local: Locally customized software.
/etc	Configuration files specific to this system.
/var	Variable data specific to this system that should persist between boots. Files
	that dynamically change, such as databases, cache directories, log files,
	printer-spooled documents, and website content may be found under /var.
/run	Runtime data for processes started since the last boot. This includes process ID
	files and lock files, among other things. The contents of this directory are
	recreated on reboot. This directory consolidates /var/run and /var/lock from
	earlier versions of Red Hat Enterprise Linux.
/home	Home directories are where regular users store their personal data and
	configuration files.
/root	Home directory for the administrative superuser, root.
/tmp	A world-writable space for temporary files. Files which have not been
	accessed, changed, or modified for 10 days are deleted from this directory
	automatically. Another temporary directory exists, /var/tmp, in which files
	that have not been accessed, changed, or modified in more than 30 days are
	deleted automatically.
/boot	Files needed in order to start the boot process.
/dev	Contains special device files that are used by the system to access hardware.

\Rightarrow Command-line File Management

Activity	Command Syntax
Create a directory	mkdir directory
Copy a file	cp file new-file
Copy a directory and its contents	cp -r directory new-directory
Move or rename a file or directory	mv file new-file
Remove a file	rm file
Remove a directory containing files	rm -r directory
Remove an empty directory	rmdir directory

⇒ Table of Metacharacters and Matches

Activity	Command Syntax
*	Any string of zero or more characters.
?	Any single character.
[abc]	Any one character in the enclosed class (between the square brackets).
[!abc]	Any one character not in the enclosed class.
[^abc]	Any one character not in the enclosed class.
[[:alpha:]]	Any alphabetic character.
[[:lower:]]	Any lowercase character.
[[:upper:]]	Any uppercase character.
[[:alnum:]]	Any alphabetic character or digit.
[[:punct:]]	Any printable character not a space or alphanumeric.
[[:digit:]]	Any single digit from 0 to 9.
[[:space:]]	Any single white space character. This may include tabs, newlines, carriage
	returns, form feeds, or spaces.

 \Rightarrow Table of Metacharacters and Matches [Chapter 11]

Log File	Type of messages stored
/var/log/messages	Most syslog messages are logged here. Exceptions include messages
	related to authentication and email processing, scheduled job execution,
	and those which are purely debugging- related.
/var/log/secure	Syslog messages related to security and authentication events.
/var/log/maillog	Any one character in the enclosed class (between the square brackets).
/var/log/cron	Any one character not in the enclosed class.
/var/log/boot.log	Any one character not in the enclosed class.

⇒ Syslog Priorities [Chapter 11]

CODE	PRIORITY	SEVERITY
0	emerg	System is unusable
1	alert	Action must be taken immediately
2	crit	Critical condition
3	err	Non-critical error condition
4	warning	Warning condition
5	notice	Normal but significant event
6	info	Informational event
7	debug	Debugging-level message

Khalid Shawki