Complete Linux Training to Get your Dream IT Job - Final Exam:

1. Which of the following introduced the flavor of UNIX named Solaris?

	A.	nP
	B.	IBM
	C.	Digital Equipment Corp
	D.	Sun Microsystems
		5 a
2.		of the following is Redhat owned Linux flavors
		Redhat, CentOS and Fedora
	B.	Redhat, SUSE, and Fedora
	C.	CentOS, Fedora and Debian
	D.	SUSE, Ubuntu and Redhat
3.		of the following is not a variant of UNIX?
	Α.	Solaris
	B.	AIX
	C.	IRIX
	D.	AS400
4.	What a	re the different ways to install Linux operating systems?
	A.	ISO
	B.	CD/DVD ROM
		Network boot
		All of the above
5.	What is	s the client used to connect to VMWare from Windows?
	A.	RDP
	В.	SSH
		vSphere
	υ.	Putty
6.	What is	s the port number used for SSH connection?
0.		
		53
	В.	22
	C.	123
	D.	2049
7.		s the new command introduced in Redhat/CentOS in replacement of ifconfig?
	A.	ifconfig
	В.	ip
	C	inadd

D. chronyd

- 8. What will happened if you run this command: touch a b c123?
 A. Create 6 files
 B. Create 3 files
 C. Create 2 files
- 9. What is the difference between running passwd command and passwd username?
 - A. passwd will reset the password of the current user where passwd username will specifically reset the password for that user
 - B. passwd will specifically reset the password for that user where passwd username will reset the password of the current user
 - C. None of the above

D. It will not work

- 10. Which ones are Linux filesystem?
 - A. ext2, ext3, ext0 and xfs
 - B. ext2, NTFS, ext3 and xfs
 - C. ext2, ext3, ext4 and xfs
 - D. ext2, FAT, ext4 and xfs
- 11. Which directory has the logs and configuration files?
 - A. /sbin and /var
 - B. /var and /etc
 - C. /etc and /dev
 - D. /run and /opt
- 12. In which language are the system calls implemented in Unix?
 - A. C
 - B. C++
 - C. Assembly Language
 - D. Fortran
- 13. Which of the following command is using absolute path?
 - A. cp/etc/sysconfig/network-script/file.
 - B. cp/etc/sysconfig/network-script/file/home/iafzal
 - C. cp file /home/iafzal
 - D. cp /etc/file.
- 14. What is the purpose of <dmesg> command?
 - A. Shows user login logoff attempts
 - B. Shows the Syslog file for info messages
 - C. kernel log messages
 - D. Shows the daemon log messages

15.	A. B. C.	command will rename abc to xyz? mv abc xyz mv xyz abc cp abc xyz rename abc xyz
16.	A. B. C. D. E.	tail -2 file head -1 cat file tail -2 head -1 awk '{print \$9]' file Both A and B Both B and C None of the above
17.	A. B. C.	of the following option of ls command can be used to view file inode number? -l -o -a -i
18.	A. B. C.	of the following actions is performed by <find '*'="" -name=""> command? List all files and directories recursively starting from / Print a file with name * in / List all files in / directory List all files and directories in / directory</find>
19.	A. B. C.	search for a specific keyword or option while in man command man commandname and then ?keyword man commandname and then /keyword man grep commandname man command name and then :keyword
20.	Which A. B. C. D.	of the following command is used to view the contents of a compressed text file? cat type zcat print
21.	What is A. B. C. D.	s the command to change the group ownership of a file? cgrp chgrp change group

<i>I</i> I	ch command is used to extract a column from a text file? A. sort B. grep C. cut D. tar
<i>I</i> 1 (th of the following command display the disk consumption of any directory? A. du B. ds C. dd D. dds
<i>I</i> 1	ch command creates an empty file if it does not exist? A. cat B. touch C. ed D. read
<i>I</i> 1 (ch option of rm command is used to remove a directory including all its subdirectories? Ab Bo Cp Dr
)] (ch command is used to identify the file type? A. type B. file C. finfo D. info
<i>1</i> 1 (a is the command to determine the path of an executable file? A. which B. where C. wexec D. what
<i>I</i> 1	t is the command to count the number of characters in a file? A. grep B. wc C. count D. cut

29.	Which of the following commands displays one page of output at a time? A. less B. sed C. pause
	D. grep
30.	Which of the following commands displays user id in its output? A. ls B. help C. date D. ls -l
31.	Which of the following commands will display all the files in your current directory and its subdirectories including the hidden files? A. ls-aR B. ls-a C. ls-R D. ls-l
32.	Which of the following commands can be used to change default permissions for files and directories at the time of creation? A. chmod B. chown C. umask D. chgrp
33.	Which command will tar files p1 p2 and p3? A. tar -cvf filename.tar p1 p2 p3 B. gzip cvf filename.tar p1 p2 p3 C. tar -f filename.tar p1 p2 p3 D. tar cvf filename.tar p1 p2 p3
34.	Which of the following commands will get us the list of home directories of users in /etc/passwd? A. cut -d, -f2 /etc/passwd B. cut -d: -f6 /etc/passwd C. cut -d; -f6 /etc/passwd D. cut -d, -f1 /etc/passwd
35.	Which of the following options when used with tar command displays the list of files in a tar container? A. cvf B. tvf C. xvf

	D.	ovf
36.	Which	of the following command displays the current date in the format dd/mm/yyyy?
		date +%d/%m/%Y
		date +"%d/%m/%Y"
		date +/%d/%m/20%y
		date +"/%d/%m/20%y"
37.	If you'r	e configuring the GRUB boot loader, which of the following files would you edit in a boot
	Α.	/boot/grub2/grub.cfg
		/boot/grub.conf
	C.	/etc/grub.conf
38.	Which	key is used to undo in vi editor
	A.	·
	B.	r
	C.	dd
	D.	u
	В. С.	cut -d, -f2 /etc/listme cut -d: -f1 /etc/listme cut -d: -f0 /etc/listme cut -d, -f1 /etc/listme
40		two programs will allow you to change the priority of a program already running? (Choose
10.	two.)	two programs wirranow you to ename the priority of a program arready running. (Groose
	A.	twice
	В.	chnice
	C.	top
	D.	nice
	E.	renice
∆ 1	Which	of the following commands does not reboot the system?
r1.	A.	- · · · · · · · · · · · · · · · · · · ·
	А. В.	
		reboot

D. telinit 0

- 42. Which command substitutes the word Linux for Windows from a file named john
 - A. sed 's/Linux/Windows/g' john
 - B. sed s/Linux/Windows/g john
 - C. sed 's/Linux/Windows g' john
 - D. sed 's/Windows/Linux/g' john
- 43. How to delete all empty lines from data.txt file and save
 - A. sed '/^\$/d' data.txt
 - B. $sed -i'/^{s}/d' data.txt$
 - C. sed -o'/^\$/d' data.txt
 - D. sed '/ /d' data.txt
- 44. How to add a user iafzal to another group called linux
 - A. passwd –a –G linux iafzal
 - B. usermod –a iafzal linux
 - C. groupadd -a iafzal linux
 - D. usermod -a-G linux iafzal
- 45. Which parameter you will add in /etc/sudoers file to all iafzal to run all the root level commands?
 - A. iafzal ALL=(ALL) ALL
 - B. %iafzal ALL=(ALL) ALL
 - C. iafzal ALL ALL=(ALL)
 - D. iafzal ALL=(ALL) ALL NOPASSWD: YES
- 46. How to check current system run-level?
 - A. who -r
 - B. uptime
 - C. runlevel
 - D. A and C
 - E. B and C
- 47. What does the command "**In test paul**" typically do?
 - A. it will create a symbolic link from paul to test
 - B. it will create a copy of the file test in paul
 - C. it will create a hard link from paul to test
 - D. it will create a symbolic link from test to paul
- 48. Which command will change your hostname to stella?
 - A. hostnamectl set-hostname stella
 - B. hostname set-hostname stella
 - C. hostnamectl stella set-hostname
 - D. hostnamectl -set-hostname stella

49.	Your current umask is set to 002. If you create a new file, what will the permission of the new file b	
	A.	W-
	B.	rwxrwx-w-
		-rw-rw-r
		rwxrwxr-x
50.	Your m	achine has two working NIC's (network cards) with proper addresses. You want to split your
		k into two different subnets. What single command will accomplish this?
		ifconfig
		default
		netstat
		route
	E.	none of the choices
51.	NTP is	used to synchronize the systemwith a central resource.
	A.	clock
	B.	restoration
	C.	backup
		command processor
52.		check which NTP server your client is synchronized with?
		ntpq> peers
		chronyc> sources
	C.	
	D.	
		A and B
		B and C
	G.	C and D
53.	What c	ommand will set a regular users password to force changing it every 90 days? Choose all that
	apply.	
		useradd -e 90 userpaul
	В.	
	С.	-
		usermod –f90 userpaul
	E.	passwd -x 90 userpaul
54.	Which	of these directory trees are you the least likely to backup or restore?
		/var
		/home
		/tmp
		/proc
		/usr
	Ľ.	/ usi

- 55. You need to change the owner of a file named /var/opt/runme from mireland, who is a member of the users group, to dnelson, who is a member of the editors group. Assuming you want to change both user and group owners, which command will do this?
 - A. chown mireland dnelson /var/opt/runme
 - B. chown -u "dnelson" -g "editors" /var/opt/runme
 - C. chown dnelson /var/opt/runme
 - D. chown dnelson.editors /var/opt/runme
- 56. Q-35. Which permission, when applied to a directory in the file system, will allow a user to enter the directory?
 - A. Read
 - B. Write
 - C. Execute
 - D. Access Control
- 57. Q-36. A user needs to open a file, edit it, and then save the changes. What permissions does he need to do this? (Choose two.)
 - A. Read
 - B. Write
 - C. Execute
 - D. Modify
- 58. Q-37. A file named employees.odt has a mode of rw-r- -r- -. If james is the file's owner, what can he do with it?
 - A. He can open the file and view its contents, but he can't save any changes.
 - B. He can open the file, make changes, and save the file.
 - C. He can change ownership of the file.
 - D. He can run the file if it's an executable
- 59. Q-38. A file named employees.odt has a mode of rw-r- -r- -. If mhuffman is not the file's owner but is a member of the group that owns this file, what can he do with it?
 - A. He can open the file and view its contents, but he can't save any changes.
 - B. He can open the file, make changes, and save the file
 - C. He can change ownership of the file
 - D. He can run the file if it's an executable
- 60. Q-39. A file named employees.odt has a mode of rw-r- -r- -. If marry is not the file's owner and is not a member of the group that owns this file, what can she do with it?
 - A. She can open the file and view its contents, but she can't save any changes.
 - B. She can open the file, make changes, and save the file.
 - C. She can change ownership of the file.
 - D. She can run the file if it's an executable.

- 61. Q-40. A file named myapp has a mode of 755. If dnelson doesn't own this file and isn't a member of the group that owns the file, what can she do with it?
 - A. She can change the group that owns the file.
 - B. She can open the file, make changes, and save the file.
 - C. She can change ownership of the file.
 - D. She can run the file.
- 62. Q-41. You just created a new script file named myapp.sh. However, when you try to run it from the command prompt, the bash shell generates an error that says -bash: ./myapp.sh: Permission denied. Which command will fix this problem?
 - A. chmod u+r myapp.sh
 - B. chmod u+x myapp.sh
 - C. chmod u+w myapp.sh
 - D. chmod u+T myapp.sh
- 63. Q-42. Your Linux system's umask variable is currently set to a value of 077. A user named jcarr (who is a member of the users group) creates a file named mythoughts.odt. What can users who are members of the users group do with this file?
 - A. They can view the file, but they can't modify or save it.
 - B. They can open, modify, and save the file.
 - C. They can open, modify, and save the file. They can also execute the file if it is an executable.
 - D. They have no access to the file at all.
- 64. Q-43. An executable file has the SUID permission set. If this file is run on the system, who owns the file?
 - A. The user who created the file remains the owner.
 - B. The user who ran the file becomes the file's permanent owner.
 - C. The user who ran the file becomes the file's temporary owner.
 - D. The root user becomes the file's owner.
- 65. Q-44. The /Projects directory has the SGID special permission set. What effect does this have when a user tries to create a file in this directory? (Choose two.)
 - A. The file's owner is set to the user who created the file.
 - B. The file's owner is set to the user who owns the directory.
 - C. The owning group of the file is set to the owning group of the directory.
 - D. The owning group of the file is set to the primary group of the user who created the file.
 - E. The file's owner is set to root.
 - F. The owning group of the new file is set to the root group.
- 66. Q-45. What is the new command to find Linux system IP address for Redhat version 7.5 and above?
 - A. ifconfig
 - B. ipconfig
 - C. ip

	D.	ipaddr
67.	Q46. W	hich of the following is NOT a Unix Filesystem?
	A.	xfs
	В.	ufs
		ntfs
	D.	ext4
68.		hen you insert a CD/DVD into your server, which mount point it gets mounted?
		/media
	B.	/mnt
	C.	/dvd
	D.	/mount
69.	-	hich column shows group ownership of a file/directory when you run ls –l command? 4 th
	B.	3rd
	C.	5 th
	D.	None of the above
70.	A. B. C.	you want to find a file in your system which of the following command you would use? find / name "FILENAME" find /etc -name "FILENAME" find -name / "FILENAME"
71.	output A. B. C.	of the following command will search for james (ignoring case sensitive) from USA file and to an existing file BRAZIL? grep james USA > BRAZIL grep -I james USA > BRAZIL
72.		you insert a CD/DVD into your server, which mount point it gets mounted?
	A.	/media
	В.	/mnt
	C.	/dvd
	D.	/mount
73		command will list files/dir owned by group root assuming there are no files
, 5.		d root?
		ls -1 grep root
		<pre>ls -l awk '{print \$4}' grep root ls -l awk '{print \$4,\$9}' grep root</pre>
	D.	None of the above

74. If you want to find a file in your system which of the following command you would use? A. find / name "FILENAME" B. find / -name "FILENAME" C. find /etc -name "FILENAME" D. Find -name / "FILENAME" 75. Which command is used to identify the file type? a. type в. file c. finfo D. Info 76. How to create an alias to cd into /home/john/scripts with alias name sc? A. alias sc: "cd /home/john/scripts" B. setalias sc="cd /home/john/scripts" C. alias "cd /home/john/scripts"=sc D. alias sc="cd /home/john/scripts" 77. Describe the output of "wc filename" A. Lines, words and character B. Lines, words and byte size C. Words, Lines and byte size D. Listing, words and characters 78. Which of the following command will match all files with names starting with p followed by any SINGLE CHARACTER of the characters abc but ending with st.txt? A. ls p[abc]st.txt B. ls p*abc*st.txt C. ls p{abc}st.txt D. ls p\$\$\$st.txt 79. Which of the following is the correct command to create a soft link of /home/iafzal/devola in tmp directory? A. ln /home/iafzal/devola /tmp B. ln -s /home/iafzal/devola /tmp C. ln -s /tmp /home/iafzal/devola D. ln -s /temp /home/iafzal/cdevola 80. If you want to assign read and write permissions to a file for owner and others to a file bacula then which of the following command would work. Existing permissions are rwxrw-rw-? A. chmod ugo-rwx bacula and chmod uo+rw bacula B. chmod ug-x bacula and chmod o-x and chmod o+w bacula C. chmod u+rw bacula and chmod o+rw bacula 81. Which of the following is NOT a command to read a file? A. cat в. head c. echo p. tail E. Vİ 82. Which command would work if you want to get the total number of errors in a file?

A. grep error FILENAME | wc -1

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B. grep -i error FILENAME | wc -1
C. grep -v error FILENAME | wc -1
D. cat FILENAME | grep -i error | wc -1
E. A and B
```

F. B and D

83. Which of the following is the correct command to get first 3 characters of a last column in a file zoo?

```
A. cat zoo | awk '{print $NF}' | cut -c1-3
B. cat zoo | awk '{print $LC}' | cut -c1-3
C. cat zoo | cut -c1-3
D. cat zoo | awk '{print $9}' | cut -c1-3
```

- 84. How to list all processes running in your Linux system?
 - A. top
 - в. iostat
 - c. ps –ef
 - D. Systemctl
- 85. You have created a script chkhealth in /home/seinfeld directory. Now you want it to run every Sunday at 9:15am. Which would be the correct syntax in crontab?
 - A. 15 9 * * 0 /home/chkhealth
 - B. 15 21 * * 0 /home/seinfeld/chkhealth
 - C. 15 9 * * 0 /home/seinfeld/chkhealth
 - D. 15 9 * 0 * /home/seinfeld/chkhealth
- 86. If you are trying to kill a process and it does die then which option you would use to force kill it?
 - A. kill -now PID
 - B. kill -9 PID
 - C. kill -f PID
 - D. pkill -now PID
- 87. How to check memory status in Linux?
 - A. free
 - B. top
 - c. dmesg
 - D. df -h
 - E. Both A and B
- 88. Which parameter you will have to set in ntp.conf or chrony.conf file to synchronize your system time?
 - A. server IP
 - B. ntp IP
 - C. sync IP
 - D. None of the above
- 89. Which port NTP runs on?
 - A. 53
 - B. 23
 - C. 123

D. 25
90. Can you read /var/log/messages as a regular user?
A. Yes
B. No
91. How to find system hardware information in Linux?
A. cat /var/log/message
B. dmesg
C. dmidecode
D. top
92. You called Redhat and they asked you to provide system information. Which command
you will run to gather system information?
A. uname –a
в. dmesg
c. hostname
D. cat /etc/redhat-release
E. A and D
F. A and C
93. What is the name of the command which generates an SOS report for Redhat?
A. reportsos
B. sosreport
c. helpreport
D. sos-report
94. Which file you will have to modify to assign static IP address?
<pre>A. /etc/sysconfig/network-scripts/ifcfg-NIC B. /etc/network-scripts/ifcfg-NIC</pre>
C. /etc/network
D. /etc/systemctl
95. Which file you will modify if you want to update the DNS server information?
A. /etc/hosts
<pre>B. /etc/resolv.conf C. /etc/nsswitch.conf</pre>
D. /etc/network
96. Which command you will run to check your network interface status?
A. ifconfig
B. ethtool
c. netstat
D. Tcpdump
97. How to update your Linux system by deleting obsolete packages?
A. yum upgrade

B. yum updateC. rpm updateD. rpm upgrade

98. What is the command to extend LVM?

	A.	lvmod
	В.	lvextend
	C.	lvchange
	D.	extendlym
99. W	hich	command will create a user home director as smith with /tmp?
		useradd -k /tmp/smith smith
		useradd -h /tmp/smith smith useradd -d /tmp/smith smith
		usermod -d /tmp/smith smith
100.		Which command can publish environment variables?
	A.	export
	В.	printnenv
	C.	read
	D.	Env
101.		What is the command to get SELinux status?
	A.	getenforce
	В.	selinux
	C.	Sestatus
	D.	A and B
	E.	A and C
102.		Command to set selinux in permissive mode?
		setenforce 1
		setenforce 0 setenforce 2
		setenforce p
103. W		file holds the configuration of NFS shared directories?
	A.	/etc/share
	В.	7
		/etc/exports
	D.	/etc/nfs.conf
104.		Which command searches for a keyword in a file while opened in vi editor?
		/or?
		f or F
		t or T
	D.	
105.		Which of the following commands will restart the network?
	А. В.	<pre>ifconfig down: ifconfig up systemctl restart network</pre>
	С.	ifup; ifdown
	D.	ifconfig NIC restart
106.		How to enable NIC bonding driver?
	_	modprobe bonding
	B.	systemctl enable bonding
	C.	systemctl mask bond

- D. modprobe bond
- 107. If your system does not have Development Tools then which command can be

run to install it?

- A. rpm install "Development Tools"
- B. yum group install "Development Tools"
- C. yum install develop*
- D. yum groups install "Development Tools"

108. Which command can be used to download a package from a URL?

- A. yum
- B. wget
- c. rpm
- D. curl
- 109. Command to create local repo?
 - A. localrepo
 - B. mkrepo
 - C. yumrepo
 - D. createrepo
- 110. Which one of the following is SSH configuration file?
 - A. /etc/ssh/sshd_config
 - B. /etc/ssh.conf
 - C. /etc/sshd/ssh.conf
 - D. /etc/sshd config
- 111. Which directory has all DNS Zone files?
 - A. /etc/named
 - B. /var/named
 - C. /var/bind/zones
 - D. /etc/dns/zones
- 112. What is the name of the DNS package?
 - A. named
 - B. dns
 - C. bind
 - D. nameserver
- 113. How to restart DNS service?
 - A. systemctl restart bind
 - B. systemctl restart named
 - C. systemctl restart dns
 - D. systemctl reboot dns
- 114. Which one is the configuration file for sendmail?
 - A. /etc/mail/sendmail.mc
 - B. /etc/mail.conf
 - C. /etc/sendmail.conf
 - D. /etc/mailx.conf
- 115. Which one is the configuration file for httpd?
 - A. /var/www/html/index.html
 - B. /etc/httpd/conf/httpd.conf

- C. /etc/httpd.conf D. /etc/http.conf 116. Which http file holds the contents of your webpage by default? A. /etc/var/index.html B. /var/www/html/index.html C. /var/www/index.htm D. /etc/index.html 117. When a system reboots it looks into which of the following file to mount filesystem? A. /etc/export B. /etc/fstab C. /etc/fs D. /etc/filesystem Which one of the following is NFS configuration file? 118. A. /etc/sysconfig/nfs B. /etc/nfs.conf C. /etc/nfsd/nfs.conf D. /etc/sysconfig/network-scripts/nfs 119. There are total of 7 run-levels from 0-6, what is run-level 3? A. Multi-user mode with networking and GUI B. Multi-user mode without networking C. Multi-user mode with networking D. Single user mode without networking 120. Which of the following is the correct Linux boot process sequence? A. BIOS --> MBR --> GRUB --> Kernel --> Init --> Run-level B. BIOS --> MBR --> Kernel --> GRUB --> Init --> Run-level C. BIOS --> GRUB --> MBR --> Kernel --> Init --> Run-level D. BIOS --> MBR --> GRUB --> Kernel --> Run-level --> Init 121. Which of the following is NOT a command to transfer files from one machine to another? A. ftp B. SCP c. rsync D. transfer 122. How to list total number of disks and its partitions in Linux? A. dh –h B. fdisk-l C. du –l D. Format 123. Which command is used to make swap space? A. swapon B. mkswap
 - A. 2 disks mirror to each other

Which of the following is RAID1?

C. makeswapD. createswap

124.

- B. 2 disks combined together to make a larger disk size
- C. 2 disks mirror with a 3rd disk spare
- D. 3 or more disk combined together
- 125. Which utility to use if your XFS filesystem is corrupted?
 - A. xfsrepair
 - в. xfs_repair
 - c. xfs fsck
 - D. Repairfs
- 126. When NFS server is setup and filesystem is ready to be exported, which command will export the NFS shares?
 - A. exportfs
 - B. sharefs
 - C. export
 - D. nfsshare
- 127. What is the command to mount NFS share on the client server?
 - A. mount 192.168.1.x:/shared-dir localhost:/mnt/location
 - B. mount 192.168.1.x:/shared-dir /mnt/location
 - C. mount /mnt/location 192.168.1.x:/shared-dir
- 128. What is the difference between SAN and NAS?
 - A. SAN is directly attached to a machine using fiber or SCSI whereas NAS is attached through network
 - ${\sf B.}$ SAN is attached through network whereas NAS is directly attached to a machine using fiber or SCSI
 - C. SAN and NAS both are RAID1
 - D. SAN and NAS are both attached to a machine using fiber