

RHCSA

Day	date	Topic / Student name													
1		Introduction RHCSA Installation Red Hat Linux Describe and define open source, Linux, Linux distributions, and Red Hat Enterprise Linux 8 , Advantages of Linux													
2		RHEL 8 HCL, Installation of RHEL 8 in VMware and custom installation Linux Virtual Console													
3		Basic Shell Linux command types Internal and External Based on privilege													
4		Create, view, and edit text files Basic concepts of Vi and Vim Editor Linux command syntax and command Nano and gedit command													
5		Linux command syntax and Argument Input / Output (I/O) Redirection													
6		Basic linux commands explained with examples (Listing directory,cp,pwd,cd,mkdir,cd..,cp,mv,rm)													
7		Viewing a file (cat,more,less,touch,head and tail) And Find Command													
8		What is soft and hard link Create Soft Link And Hard Link and grep command													
9		Linux file system explained with shell and kernel Linux File System Linux File Naming Convention													

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10		What is shell and check it. What is kernel and function and check it													
11		Get help in Red Hat Enterprise Linux Linux help command man, info, pinfo, Help													
12		Linux Power Management and Control the boot process Linux Runlevels Explained , Init command Systemctl process and command													
13		Linux administrator command How to view the last login attempts who, w, who am i, whoami, logname, last, Lastlog, Lastb													
14		login name, operating system name, view & set hostname set date and time, find command location													
15		Monitor and manage Linux processes the running process, kill command, the real time hardware usages status use top command, hardware information, lspci, lsscsi, lsusb and lscpu													
16		Introduction to File compression and archiving , Use command tar gzip bzip zip													
17		Manage networking, view the IP address in Linux , nmtui text tool, nm-connection- editor graphic utility and nmcli command.													
17		Control services and daemons Control and monitor network services and system daemons with the systemd service. control options/actions													
18		Manage network security, Control network connections to services using the system firewall													
19		Manage logical volumes Create and manage logical volumes containing file systems and swap spaces from the command line													

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20		Install and update software packages Download, install, update, and manage software packages from Red Hat and DNF package repositories. Yum server configure													
21		Configure and secure SSH Configure secure command line service on remote systems, using OpenSSH.													
21		Analyze servers and get support Investigate and resolve issues in the web-based management interface, getting support from Red Hat to help solve problems.													
22		Archive and Transfer Files Archive and copy files from one system to another, scp commands securely copy files to remote servers Linux													
23		Execute shell scripting and Shell use if else													
24		automation techniques cronjob Task Scheduling, crontab and at command use shell script													
25		Manage local users and groups Create, manage, and delete local users and groups, as well as administer local password policies.													
26		User Management, Create user and group in Linux useradd,usermod,chage Linux command manage user password to passwd													
27		Control access to files Set Linux file system permissions on files and interpret the security effects of different permission settings.													
28		Set Linux file system permissions on chmod,chown and chgrp Command													
29		Set Linux file system permissions on sticy bit and ACL Permission													

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30		Manage SELinux security Protect and manage the security of a server by using SELinux.													
31		Access network-attached storage Use the NFS protocol to administer network-attached storage.													
32		Analyze and store logs Locate and accurately interpret logs of system events for troubleshooting purposes.													
33		RHEL 8 Reset root user password													
34		RHCSA Exam Topic Practice													
35		RHCSA EXAM													