LINUX Operating System LAB- 1 ASSIGNMENT

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Sr. no.	Question	Commands	Result
1	Login as guest (password is guest123)	**su student**	
2	Find the present Directory	**pwd**	**/home/student**
3	Write the / directory structure	**ls [/] ***	
4	Write a few commands available in /bin and /sbin directory	**cd /bin** **ls** **cd /sbin** **ls**	**date, cp, pwd, mkdir, rm,rmdir** **modinfo,modprobe,shutdown,runuser,ip6tables**
5	Find the guest directory	**find / -name "student"**	• **/home/student** • **/var/spool/mail/student**
6	Write the permissions of guest directory	**cd /home** **ls -l**	**drwx------**
7	Create a new Directory test in guest directory	**mkdir test**	
8	Write the permissions of test directory	**ls -l**	**drwxrwxr--**
9	Copy the file /etc/resolv.conf in test directory	**cp /etc/resolv.conf /test/temp**	
10	Rename the test directory to testing	**mv test testing**	
11	Delete the testing directory	**rm –r testing**	
12	Change the permissions of guest directory to 775	• **cd /home** • **chmod 775 student**	
13	Change the permissions of /tmp directory to 700	• **cd /** • **chmod 700 /tmp**	
14	Login as root user	**su root**	
15	Change the permissions of guest directory to 700	• **cd /home** • **chmod 700 student**	
16	The location of kernel files in Unix File System is /boot and by looking at the kernel file, write the kernel version you are using in your system.	**uname –v**	**#57-Ubuntu SMP**
17	Login as guest	**su student**	
18	Change directory to /	**cd /**	
19	List the contents of /home directory	**ls /home**	**root , student**
20	Find the group to which guest belongs	• **cd /home** • **ls –l**	**student**

21	Create a file sidbi in the home area of guest (hint: use touch command)	**touch sidbi**	
22	Find the permissions of the file sidbi	**ls –l**	**644**
23	Find the inode number of file sidbi (hint: ls –li)	**ls –li**	**150288**
24	Copy the file sidbi to sidbi1	**cp sidbi sidbi1**	
25	Find the inode number of file sidbi1 (hint: ls –li)	**ls -li**	**150240**
26	Move the file sidbi to sidbi2	**mv sidbi sidbi2**	
27	Find the inode number of file sidbi2 (hint: ls –li)	**ls –li**	**150288**
28	Move sidbi2 to sidbi	**mv sidbi2 sidbi**	
29	Login as root	**sudo passwd root** **su root**	
30	Create a new user guest1 with same group as guest (hint: use GUI tool Applications→System Settings→ Users and Groups)[More on this later in the course]		
31	Create a new user guest2 with a different group than the group of guest		
32	Find, what permissions should the file sidbi have, so that both guest1 and guest2 can write into this file		**It should have 644 access permissions**