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Lab 1: Basic Linux Familiarity Questions

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Name

Iftekhar Al-Mahmud

ID

20201120

Gsuite Email Address

iftekhar.al.mahmud@g.bracu.ac.bd

Does the Linux console support multiple sessions (e.g. tabs)?

☒ Yes

☐ No

☐ Maybe

What character encoding does the terminal expect

☐ UTF-8

☒ ISO-8859-1

☐ Other:

Which are the nine sections of the Unix manual?

1. Executable programs or shell commands
 2. System calls
 3. Library calls
 4. Special files
 5. File formats and conventions
 6. Games
 7. Miscellaneous
 8. System administration commands
 9. Kernel routines
-

Which section of the manual contains user commands such as cat and ls?

File and Directory Manipulation Commands

.....

What option to ls shows information about file sizes, owner, group, permissions and so forth?

ls -l

.....

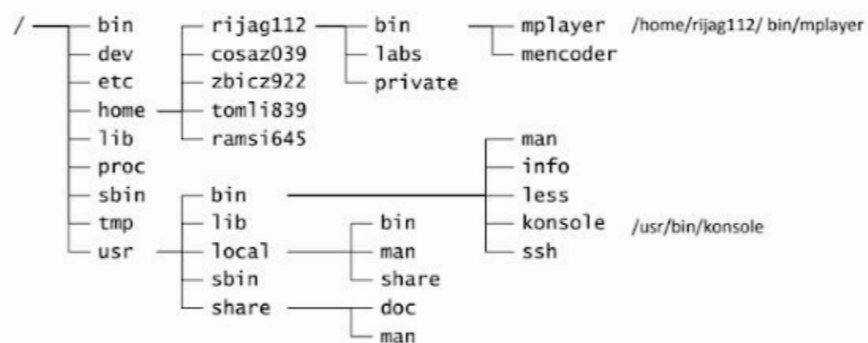
What does the -R option to ls do?

-R means it lists the contents of directories recursively. Basically, it will list the files and directories in the current directory and all its subdirectories.

.....

In the example below name the relative and absolute path names indicating info if the current working directory is /usr/bin

The figure below shows part of a Unix system.



Relative: bin/info Absolute: /usr/info

In the example above name the relative and absolute path names indicating info if the current working directory is /home/ramsi645

/ramsi645

Use the ls command to get the file list and then use with the -l option for any two files and examine what you can see.

```
drwxr-xr-x 2 iftekhar iftekhar 4096 ফেব 16 15:34 Desktop drwxr-xr-x 3 iftekhar iftekhar
4096 ফেব 16 20:27 Documents
```

How can you set the permission string to user read/write, group read, others read using chmod in long and numeric formats?

For long format: chmod u=rw,g=r,o=r filename

For numeric format: chmod 644 filename

How can you revoke group write permissions on a file without changing any other permissions in long and numeric formats?

Long format: chmod u=rw,g=r,o=r filename

Numerical format: chmod 644 filename

What do the following numeric file modes represent:

1. 666
2. 770
3. 647
4. 467

666: rw-rw-rw- (User, Group, Others can all Read/Write)

770: rwxrwx--- (Users and Group can Read/write/Execute but Others have no permission)

647: rw-r--rwx (User can Read/Write, Group Read only and Others can Read/Write/Execute)

467: r--rw-rwx (User can read only, Group can Read/Write, Others can Read/Write/Execute)

A user wants to set the permissions of a directory tree rooted in dir so that the user and group can list, read, write and execute files, but nobody else has any access. Which of the following commands is most appropriate?

- ☐ chmod -R 660 dir
- ☒ chmod -R 770 dir
- ☐ Other: _____

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