**OS-UPSKIILL-2023- Basic Commands**

1. **ls**

List information about the FILES (the current directory by default)

**SYNTAX :**  ls [OPTION]... [FILE]...

**OPTIONS**:

* -l use a long listing format
* -h show as human-readable
* -t sort by modification time, newest first
* -r reverse order while sorting
* -R list subdirectories recursively

**Example :** ls -lrth sample.txt

1. **cat**

Concatenate FILE(s), or standard input, to standard output.

**SYNTAX :**  cat [OPTION]... [FILE]...

**OPTIONS**:

* -n number all output lines
* -E display $ at end of each line

**Example** : cat sample.txt

1. **date**

Display the current time in the given FORMAT, or set the system date

**SYNTAX :** date [OPTION]... [+FORMAT]

**OPTIONS**:

* %D – Display date as mm/dd/yy
* %Y – Year (e.g., 2020)
* %m – Month (01-12)
* %d – Day of month (e.g., 01)
* %H – Hour (00-23)
* %I – Hour (01-12)
* %M – Minute (00-59)
* %S – Second (00-60)

**Example :** date && date --date="yesterday" && date --date="4 day"

1. **pwd**

Display the present working directory.

**SYNTAX :** pwd

**Example :** pwd

1. **mkdir**

Create the DIRECTORY(ies), if they do not already exist.

**SYNTAX :** mkdir [OPTION]... DIRECTORY...

**EXAMPLE :** mkdir sampledir

**6) useradd ( needed sudo permission or root user )**

Tocreate a new user account

**SYNTAX :** sudo useradd [options] [username]

sudo passwd [username] ( To set Password )

**EXAMPLE:**

sudo useradd -m username

sudo passwd username

ls -la /home/username/

sudo su - username ( to login to that user)

**7) usermod**

To grant sudo permission for an user ( Login as Root user ).

**SYNTAX :** usermod [OPTION] [username]

**OPTIONS**:

* -a Amend the changes to the existing configuration
* -G The name of the group the user should be added to

**EXAMPLE** : usermod -a -G sudo <username>

**8) touch**

To create an file in linux.

**SYNTAX :** touch [filename.ext]

**EXAMPLE :** touch sample.txt

**9) rm**

To delete the files.

**SYNTAX :** rm [filename.ext]

**OPTIONS**:

* -f ignore nonexistent files and arguments, never prompt
* -r remove directories and their contents recursively

**EXAMPLE** : rm -rf sample.txt

**10) mv**

To move or rename the files or folders.

**SYNTAX :** mv [SOURCE] [DESTINATION]

**EXAMPLE :** mv sample.txt sample-move.txt

mv sampledir sample-movedir

**11) cp**

To copy file or folders to another folders.

**SYNTAX :** cp [SOURCE] [DESTINATION]

**OPTIONS**:

* -R, -r copy directories recursively
* -v explain what is being done

**EXAMPLE :** cp sample.txt sample-copy.txt

cp sampledir sample-copydir