**Name** : Khushal Agarwal

**Section** : A

**RollNo.** : 30

**Experiment -2**

**AIM : Implement the following basic commands used in LINUX UNIX OS ( Also perform all the commands with their switches).**

**Cut, chmod, du, diff, uniq, history, last, sort, sed, grep.**

* **Cut :** 
  + **Command -**  cut -d ”<single character>” -f n [file name]
  + **Description -**  It is used to display data columnwise.

-d “ ” : used to pass delimiter from which data has to be separated into columns passed in “ ” or ‘ ’.

-f n : used to pass field number to access column data.

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* **Chmod :** 
  + **Command -**  chmod +rwx [file name] or chmod 777 [file name]
  + **Description -**  It modify the permissions for different users of a file.

+r or 4: used for enabling readable permissions.

+w or 2: used for enabling writeable permissions.

+x or 1: used for enabling executable permissions.

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* **Du :** 
  + **Command -**  du [file name]
  + **Description -**  It estimate file disk usage.

-a : List all files and directories size.

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* **Diff :** 
  + **Command -**  diff <options> [file name1] [file name2]
  + **Description -**  Compare files line by line and output different lines.

-a : Take all data of files as text.

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* **Uniq :** 
  + **Command -**  uniq [file name]
  + **Description -**  It filters out the repeated lines in a file.

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* **History :** 
  + **Command -**  history
  + **Description -**  Used to display previously executed commands.

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* **Last :** 
  + **Command -**  last <options>
  + **Description -**  It list all users logged in and out.

-x : It display info of system entries and run level changes.

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* **Sort :** 
  + **Command -**  sort <options> [file name]
  + **Description -**  It outputs the data of a file in a sorted manner.

-k n : Used to specify sorting sequence(using which column data is sorted).

-r : Used to sort in descending order.

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* **Sed :** 
  + **Command -**  sed <options> [file]
  + **Description -**  Stream editor.
* **Grep :** 
  + **Command -**  grep [search string] [file name]
  + **Description -**  It search the given string in the provided data source and output the which match which passed string.

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