 20MCA136 – NETWORKING & SYSTEM ADMINISTRATION LAB Dept. of Computer Applications

**NETWORKING & SYSTEM ADMINISTRATION LAB**

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**Experiment No.: 6**

**Aim**

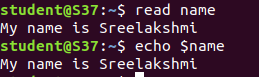
Familiarization of the linux commands.

**Procedure**

**1. read**

This command is used to read the content of a line to a variable.

Syntax :- $  read variable\_name

Output :-

**2. locate ,locate -i**

This command is used to locate a file or particular directory and the locate -i command  is used to ignore case sensitivity of the specified patterns.

Syntax :- $  locate filename

Output :-

https://lh4.googleusercontent.com/A_BOvFYj0RmGx97iZnDdXMsaagtBSP5qMXV0ZOeqLm5-HMSE63QWlUtlCAEbwFRjWMVK8GSb9yheNLpzh1-dH8-UrdKNgY0U106dmG5nEfjR4_UUKxqcfW0vOAomSfGY-p-ZBTgh

Syntax :- $  locate -i filename

Output :-         https://lh5.googleusercontent.com/OPBAZZrFM2_6VS4RfIhXcQCskbSitxuoBW6Xy2tYj5yY7iiEJxrknCRTiW48FKPXGIASO0Cg13rlAVaKnBQAKwV-VvVy-ljp8sJKZ1gtuuaVaczu_VmDIDos4lymWX8iOBzjgwnZ

**3. find**

This command is used to displays only contents in a particular directory.

Syntax :- $ find filename

Output :-https://lh5.googleusercontent.com/6LNThQ5OMYo4GCdaxgxu8mfpNyh6p_XVwk7ymRtw9PTMnIj5Nc6Sz6Gz5bbWO9f7hlqB5IFAVTa9-AX_TANmm_7j5a10fZDiIla7ftDeha8UvPUjh2C_U3ODkaIzTNa7dT3nZ60b

**4. grep**

This command will let you search through all the text in a given file.

Syntax :- $ grep word filename

Output :-

https://lh6.googleusercontent.com/aADDqhpya6IP6A0mkkOY108y4gdFTaWGWadaFG7Ax9jitqjSaQhWZ69CFrX6j93n9JE8_rP-vxzaueiBM4V54DIH7JpnAZG-I-9wCl6ywbMEf_vcJh6Q0jnFh6vv1cWrHNLGf0_q

**grep -i**

This commands will treat upper and lower case as equivalent while matching the search string

Syntax :- $ grep -i word filename

Output :-

https://lh4.googleusercontent.com/CI330Rk9mLClE60GmNvTXtIazBurtiAhlPZX4em_18VOyvgc33qlsXom3cMWBubeNTd2FNCjNw1EwclPBWsaxtfwuE7_ZQ-pfKrUtQDWJJazz07N988y8jCM_Aj2fdHdduxx0RJh

**grep -v**

This command is used for inverted search.

Syntax :- $ grep -v word filename

Output :-

https://lh6.googleusercontent.com/EwYRo6JRpYUaWrzpskXjcCLiWi_gGj2sbNuXZoL4gxuJ7sRKAliFCQDTIBzm15GoGMTTA2oQ0J6qif7PkgS0GEtkq1BcCtSKwGA-1bcYxsEdaTR4-lfmQeM3eRGsVzB-7yXrwNkd

**grep -A1**

This command is used to display the line after the result.

Syntax :- $ grep -A1 word filename

Output :-

https://lh6.googleusercontent.com/b_fMRj-dneh--DCJlLbkiT_9gi1OQ1xl5QxhcpCiJPzBXHwFJRzN6coziJWXPxrHc5yhpqU2iU0rozw5-0-B72QmWEc8kdnyCqKZgMHDjapqg9gYjewmYJfsEh7q5BPhm03VDsQT

**grep -B1**

This command is used to display the line before the result.

Syntax :- $ grep -B1 word filename

Output :-

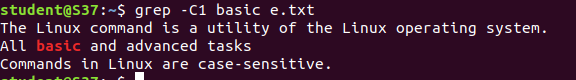
https://lh6.googleusercontent.com/oddUkT8MSVdfC6u38LpODCLsP364-2KhhCocAyYPPMQrdkfHay0_8Zc6rL8NSaf59dK8r6vSwEDzDiRV20w9ttlLfqdZU9lnkShmSZ1tU-4IEPhSeuN4laeUG-Ko454H0narOrJq

**grep -C1**

This command is used to display the line before and after the result.

Syntax :- $ grep -C1 word filename

Output :-



**5. df**

This command is used to get a report on system disk space usage.

Syntax :- $ df filename

Output:-

https://lh6.googleusercontent.com/jMSzkmqzxO5GgOw_o95a-bQh-AJZx9k3w09XMJXrEHIX-ZaQGAPob7h4EEb7Vn05NYodQ3gxH8KhlE5coDODU4JtQjL5rgFJ4wivRbvncKC5T37Z8DcdAyhkWQgGu_QSCHB28syB

**df -m**

This command is used to get a report in megabytes.

Syntax :- $ df -m filename

Output:-

https://lh6.googleusercontent.com/G71tTUidqCRbIPlxD0k0-F08OU4in_CuyD-osomkZie-4RlubtVI99bjXhjCqJ2VbhF_ULYccB0ZxG9GCZfLaYZ149jfg5IoeX8gCAQD9yibCBvjvqaYOOIlag7JK4G9z0uZlj77

**6. du**

This command is used to check how much space a file or directory takes in current directory.

Syntax :- $ du filename

Output:-https://lh6.googleusercontent.com/vS52RueCBM-V3hCbbRi5-yfeZgLFVvefJIeniTuzhp1DZitSZEs525acsUgfiyRnuhg6Ea0-I_ej4U6MVqXG6wDD1-FmoqbT0x5vg2kBaZQvdserB9yPzsDHs7ZnIilKidfFbuXw

**7. wc**

This command is used for counting purpose which is used to find number of lines,number of words,number of charactor and the number of bytes.

wc -l which counts the number of lines.

wc -w which counts the number of words.

wc -c which counts the number of charactors.

wc -m which counts the number of bytes.

Syntax :- $ wc -l filename

$ wc -w filename

$ wc -c filename

$ wc -m filename

Output:-

