**Linux Fundamentals**

1) Explain what each of the following commands does and give an example on how to use it:

\* **touch** It will create an empty file for the first time. If we execute touch command on existing file then its timestamp gets modified.   
 EX:   
 $ touch test.txt

**\* ls** ls command will list all the files and directories.  
 EX:   
 $ ls -altri  
 Above command lists all the files and directories in the current directory including hidden files and with there inode numbers.  
 $ ls /home/  
 Lists the files and directories in home directory using absolute referencing.

**\* rm** rm command is used to remove folders or directories.  
 EX:

$ rm temp.txt  
 It will remove temp.txt file from current working directory  
  
 $ rm -r mydir  
 It will remove mydir directory from current working directory

**\* cat** cat command is used to display, write or append contents in a file.

EX:

$ cat text.txt  
 It will display the content in the text.txt file.  
  
 $ cat > test.txt  
 It will write the contents into the test.txt file.   
  
 $ cat >> test.txt  
 It will append the contents into the test.txt file.

**\* mkdir** mkdir command is used to create a empty directory  
 EX:

$ mkdir mydir  
  
 $ mkdir mydir1 mydir2  
 It will create two directories in current working directory.   
  
 $ mkdir -p dir1/dir2/dir3  
 Makes parent directories as needed.

**\* pwd** pwd will display present working directory, starting from the root.  
 EX:

$ pwd

**\* cd**

cd is used to change the current directory of the terminal.

EX:

$ cd /home/rohith/Desktop/dir1  
 Moving to dir1 directory using absolute referencing.   
  
 $ cd ../Desktop/dir2  
 Moving to dir2 directory form dir1 dire using relative referencing.

2) What each of the following commands does?

**\* cd /** Used to move to the root directory of the terminal.

**\* cd ~**

Used to move to the home directory of the terminal.

**\* cd**

Used to move to the home directory of the terminal. **\* cd ..**

Used to move back to the parent directory.

**\* cd .** It will keep the use in the same directory.

**\* cd -**

It will take the user to the old directory.