**Lab 02**

# Understanding Command Line Interface - B

## Objective

To experience 10 basic Terminal commands in Fedora – 20

## Theory

Command Line Interface

A CLI (command line interface) is a user interface to a computer's operating system or an application in which the user responds to a visual prompt by typing in a command on a specified line, receives a response back from the system, and then enters another command, and so forth. The MS-DOS Prompt application in a Windows operating system is an example of the provision of a command line interface. Same as MS-DOS, TERMINAL is the CLI of LINUX based Operating Systems. Typically, most of today's UNIX / LINUX based systems offer both a command line interface and a graphical user interface.

Fedora – Operating System http://www.mrpt.org/wp-content/uploads/2013/10/Fedora_logo.png

Fedora (formerly Fedora Core) is an operating system based on the Linux kernel, developed by the community-supported Fedora Project and owned by Red Hat. The Fedora Project's mission is to lead the advancement of free and open source software and content as a collaborative community. Fedora uses the RPM package management system. As it is been driven by RE-HAT so it has the name FEDORA (A Typical pinched Cap).

## Assigned task

Now here are the commands in alphabetical order, run them and write the output in respective box.

**bc = starts a command line calculator**

**cal = shows calendar**

**cal -y = prints current year's calendar**

**date = prints today's date**

**df -h = free hard drive space**

**fc -l = short command history**

**free -m = memory usage in blocks**

**hostname = name of the host**

**ifconfig = network card info, ip-address etc.**

**ifconfig -a = available network cards**

**pwd = current working directory**

**touch Filename.txt=for creating file**

**vi=for using editable file**

Now create two .txt files using test editor in GUI.

**File one contains:**

**We are in SZABIST.**

**Second File contains:**

**We are in SZABIST Hyderabad Campus.**

Now apply the following command:

**diff oldfile.txt newfile.txt Checks difference between two files**