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SECTION : SE 5-2

LAB TASK : 07

Step : 01

```
haseeb@ubuntu64:~$ apt-get install yum
E: Could not open lock file /var/lib/dpkg/lock-frontent - open (13: Permission denied)
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontent), are you root?
```

Step : 02

```
haseeb@ubuntu64:~$ yum isntall httpd
Command 'yum' not found, did you mean:
  command 'sum' from deb coreutils (8.32-4.1ubuntu1.2)
Try: apt install <deb name>
```

Step : 03

```
haseeb@ubuntu64:~$ yum isntall httpd
Command 'yum' not found, did you mean:
  command 'sum' from deb coreutils (8.32-4.1ubuntu1.2)
Try: apt install <deb name>
```

Step : 04

```
haseeb@ubuntu64:~$ sudo yum install httpd
[sudo] password for haseeb:
haseeb is not in the sudoers file. This incident will be reported.
```

Step : 05

```
haseeb@ubuntu64:~$ sudo yum install httpd
[sudo] password for haseeb:
haseeb is not in the sudoers file. This incident will be reported.
```

Step : 06

```
haseeb is not in the sudoers file. This incident will be reported.
haseeb@ubuntu64:~$ su
Password:
root@ubuntu64:/home/haseeb# apt-get install yum
Reading package lists... Done
Building dependency tree... Done
```

Step : 07

```
haseeb@ubuntu64:~$ su
Password:
root@ubuntu64:/home/haseeb# apt-get install yum
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
E: Unable to locate package yum
root@ubuntu64:/home/haseeb# apt update
Get:1 http://us.archive.ubuntu.com/ubuntu jammy InRelease [270 kB]
Get:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Get:3 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [2,724 kB]
Get:4 http://us.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:5 http://us.archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Get:6 http://us.archive.ubuntu.com/ubuntu jammy/main amd64 Packages [1,395 kB]
Get:7 http://us.archive.ubuntu.com/ubuntu jammy/main i386 Packages [1,040 kB]
Get:8 http://us.archive.ubuntu.com/ubuntu jammy/main Translation-en [510 kB]
Get:9 http://us.archive.ubuntu.com/ubuntu jammy/main amd64 DEP-11 Metadata [423 kB]
Get:10 http://us.archive.ubuntu.com/ubuntu jammy/main DEP-11 i386 [100.0 kB]
```

Step : 08

```
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
315 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@ubuntu64:/home/haseeb# apt install git
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
git is already the default version for this architecture.
root@ubuntu64:/home/haseeb#
```

Step : 09

```
Reading state information... Done
The following additional packages will be installed:
  git-man liberror-perl
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-email git-gui gitk gitweb
  git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  git git-man liberror-perl
0 upgraded, 3 newly installed, 0 to remove and 315 not upgraded.
Need to get 4,147 kB of archives.
After this operation, 21.0 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us.archive.ubuntu.com/ubuntu jammy/main amd64 liberror-perl all 0.17029-1 [26.5 kB]
Get:2 http://us.archive.ubuntu.com/ubuntu jammy-updates/main amd64 git-man all 1:2.34.1-1ubuntu1.15 [955 kB]
Get:3 http://us.archive.ubuntu.com/ubuntu jammy-updates/main amd64 git amd64 1:2.34.1-1ubuntu1.15 [3,166 kB]
Fetched 4,147 kB in 29s (141 kB/s)
Selecting previously unselected package liberror-perl.
(Reading database ... 163563 files and directories currently installed.)
Preparing to unpack .../liberror-perl_0.17029-1_all.deb ...
Unpacking liberror-perl (0.17029-1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../git-man_1%3a2.34.1-1ubuntu1.15_all.deb ...
Unpacking git-man (1:2.34.1-1ubuntu1.15) ...
Selecting previously unselected package git.
Preparing to unpack .../git_1%3a2.34.1-1ubuntu1.15_amd64.deb ...
Unpacking git (1:2.34.1-1ubuntu1.15) ...
Setting up liberror-perl (0.17029-1) ...
Setting up git-man (1:2.34.1-1ubuntu1.15) ...
Setting up git (1:2.34.1-1ubuntu1.15) ...
Processing triggers for man-db (2.10.2-1) ...
root@ubuntu64:/home/haseeb# apt list git
Listing... Done
git/jammy-updates,jammy-security,now 1:2.34.1-1ubuntu1.15 amd64 [installed]
git/jammy-updates,jammy-security 1:2.34.1-1ubuntu1.15 i386
```

Step : 10

```
git/jammy-updates,jammy-security,now 1:2.34.1-1ubuntu1.15 amd64 [installed]
git/jammy-updates,jammy-security 1:2.34.1-1ubuntu1.15 i386
root@ubuntu64:/home/haseeb# where is git
where: command not found
root@ubuntu64:/home/haseeb# whereis git
git: /usr/bin/git /usr/share/man/man1/git.1.gz
root@ubuntu64:/home/haseeb# cd /usr/bin
root@ubuntu64:/usr/bin#
```

Step :11

```
haseeb@ubuntu64:~$ su
Password:
root@ubuntu64:/home/haseeb# apt install --only-upgrade git
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
git is already the newest version (1:2.34.1-1ubuntu1.15).
0 upgraded, 0 newly installed, 0 to remove and 315 not upgraded.
root@ubuntu64:/home/haseeb#
```

Step : 12

```
haseeb@ubuntu64:~$ #include <stdio.h>

int main() {
    int num;

    // Ask user for input
    printf("Enter an integer: ");
    scanf("%d", &num);

    // Check if the number is even or odd
    if (num % 2 == 0) {
        printf("%d is even.\n", num);
    } else {
        printf("%d is odd.\n", num);
    }

    return 0;
}
```

```
1 nano GreaterSmaller.java
import java.util.Scanner;
public class GreaterSmaller
{
    public static void main (String[] args)
    {
        int numberOne, numberTwo, largest;
        Scanner scan = new Scanner (System.in);
        System.out.print("Enter the First Number: ");
        numberOne = scan.nextInt();
        System.out.print("Enter the Second Number");
        numberTwo = scan.nextInt();
        if(numberOne>numberTwo)
            largest = numberOne;
        else
            largest = numberTwo;
        System.out.println("\nLargest = " +largest);
    }
}
```

Step 14 :

```
haseeb@ubuntu64:~$ nano GreaterSmaller.java
haseeb@ubuntu64:~$ javac GreaterSmaller.java
haseeb@ubuntu64:~$ java GreaterSmaller
Enter the First Number: 78
Enter the Second Number: 56

Largest = 78
haseeb@ubuntu64:~$
```

Step 15:

```
haseeb@ubuntu64:~$ nano loop.java
haseeb@ubuntu64:~$ javac loop.java
haseeb@ubuntu64:~$ java loop
```

Step 16 :

[illegible]

Step 17 :

```
haseeb@ubuntu64:~$ ps -u
USER      PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
haseeb    2404  0.0  0.1 171048  5888 tty2     Ssl+  Oct06   0:00 /usr/libexec/gdm
haseeb    2417  0.0  0.3 231700 15744 tty2     Sl+   Oct06   0:00 /usr/libexec/gnd
haseeb    3193  0.0  0.0 19660  4992 pts/0    Ss   Oct06   0:00 bash
haseeb    4863  0.0  0.1 19924  5120 pts/1    Ss   00:12   0:00 bash
haseeb    5062  0.0  0.1 20188  5376 pts/3    Ss   00:22   0:00 bash
haseeb    8643  0.0  0.1 19924  5376 pts/2    Ss   01:14   0:00 bash
haseeb    8728 55.6  1.6 3983916 84752 pts/2    Sl+  01:15   0:12 java loop
haseeb    8750  1.0  0.1 19924  5376 pts/4    Ss   01:15   0:00 bash
haseeb    8762  0.0  0.0 21328  3328 pts/4    R+   01:15   0:00 ps -u
haseeb@ubuntu64:~$ kill -9 8728
haseeb@ubuntu64:~$
```

Step 18 :

```
This is an infinite loop!  
Killed
```

