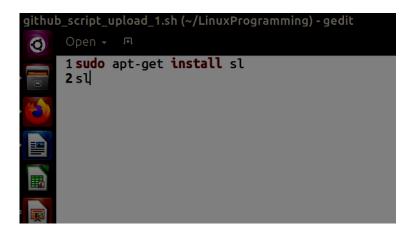
# Linux Programming Lab Exercise

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## 1. Shell script for downloading sl and to run sl:

#### **Shell Script:**



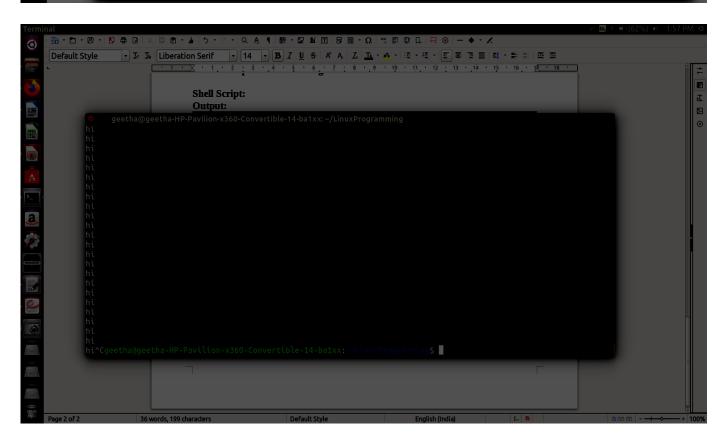
#### **Output**

```
getha@geetha-HP-Pavilion-x360-Convertible-14-balxx:~/LinuxProgramming$ sudo apt-get install sl
[sudo] password for geetha:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
    libllvm3.8 libpango1.0-0 libpangox-1.0-0 libpmi-glib1
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
    sl
0 upgraded, 1 newly installed, 0 to remove and 151 not upgraded.
Need to get 24.4 kB of archives.
After this operation, 86.0 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu xenial/universe amd64 sl amd64 3.03-17build1 [24.4 kB]
Fetched 24.4 kB in 0s (37.9 kB/s)
Selecting previously unselected package sl.
(Reading database ... 211510 files and directories currently installed.)
Preparing to unpack .../sl_3.03-17build1_amd64.deb ...
Unpacking sl (3.03-17build1) ...
Processing triggers for man-db (2.7.5-1) ...
Setting up sl (3.03-17build1) ...
Processing triggers for man-db (2.7.5-1) ...
Setting up sl (3.03-17build1) ...
geetha@geetha-HP-Pavilion-x360-Convertible-14-balxx:~/LinuxProgramming$ sl
geetha@geetha-HP-Pavilion-x360-Convertible-14-balxx:~/LinuxProgramming$ github_script_upload_1.sh
```

## 2. Shell script executing 'rev', 'factor' and 'yes':

#### **Shell Script:**

#### **Output:**



# 3. Hot Question: Write a bash shell script to monitor the health of your system. Let the details be stored and archived in any folder of your choice.

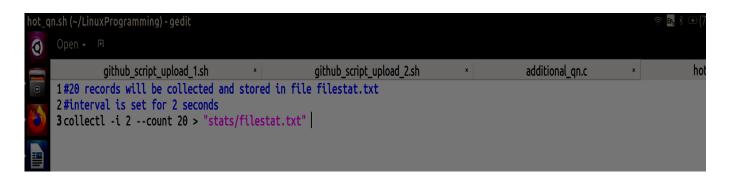
Collectl is a very good performance monitoring tool.

Step 1: Installed collectl

Step 2: Wrote the shell script

#### Hot\_qn.sh

#20 records will be collected and stored in file filestat.txt #interval is set for 2 seconds collectl -i 2 --count 20 > "stats/filestat.txt"



#### **Terminal output**

Step 3: The output (system details) is written to the file named "filestat" in the folder "stats".

# **Output file:**

