Linux Programming
Lab Exercise

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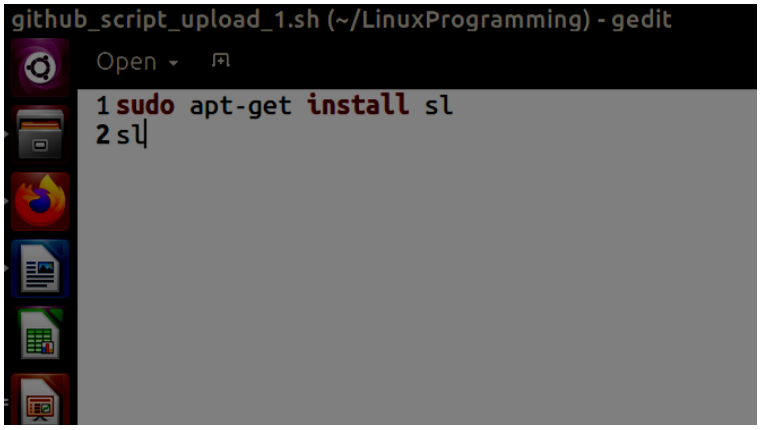
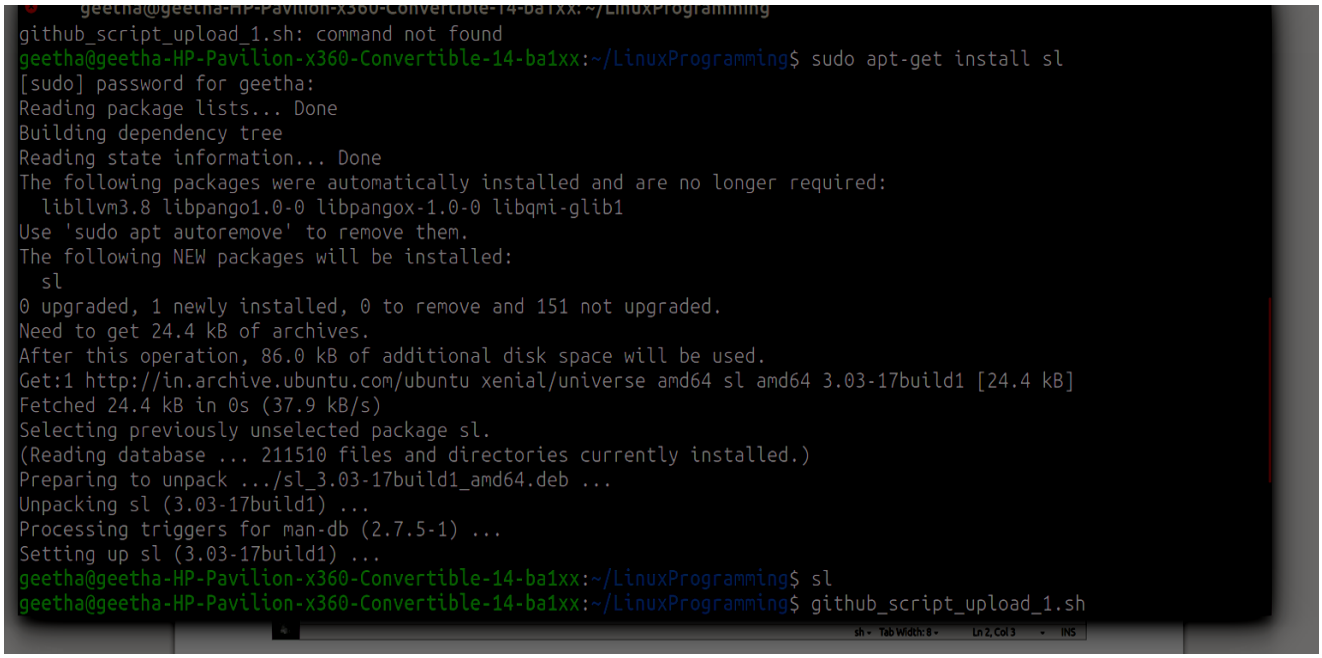
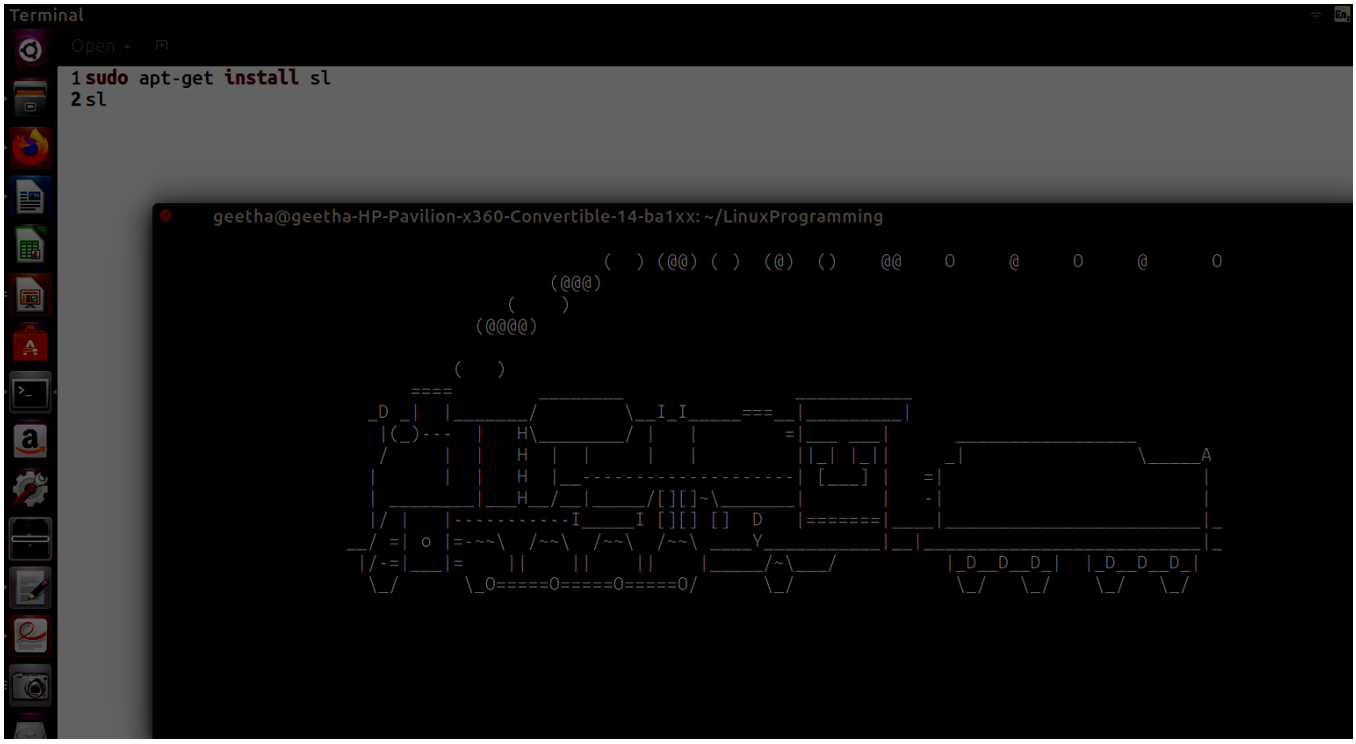
1. Shell script for downloading sl and to run sl:

Shell Script:



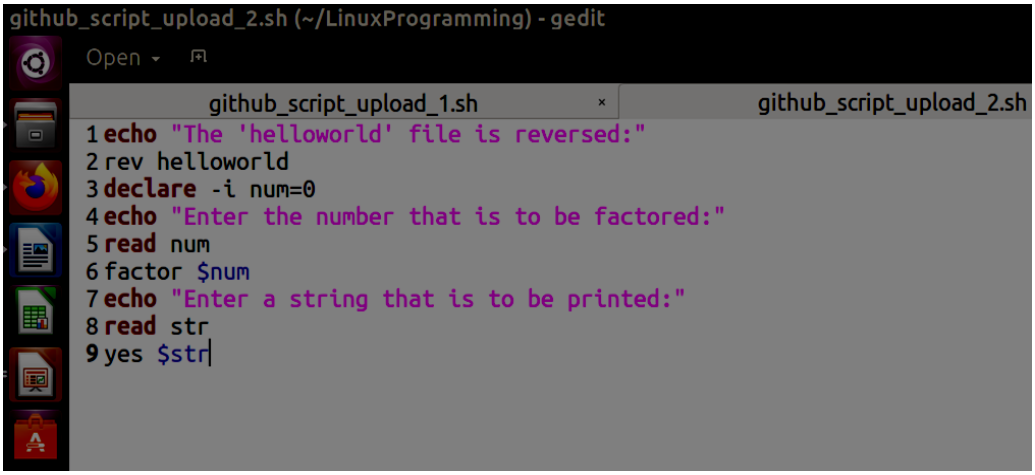
Output



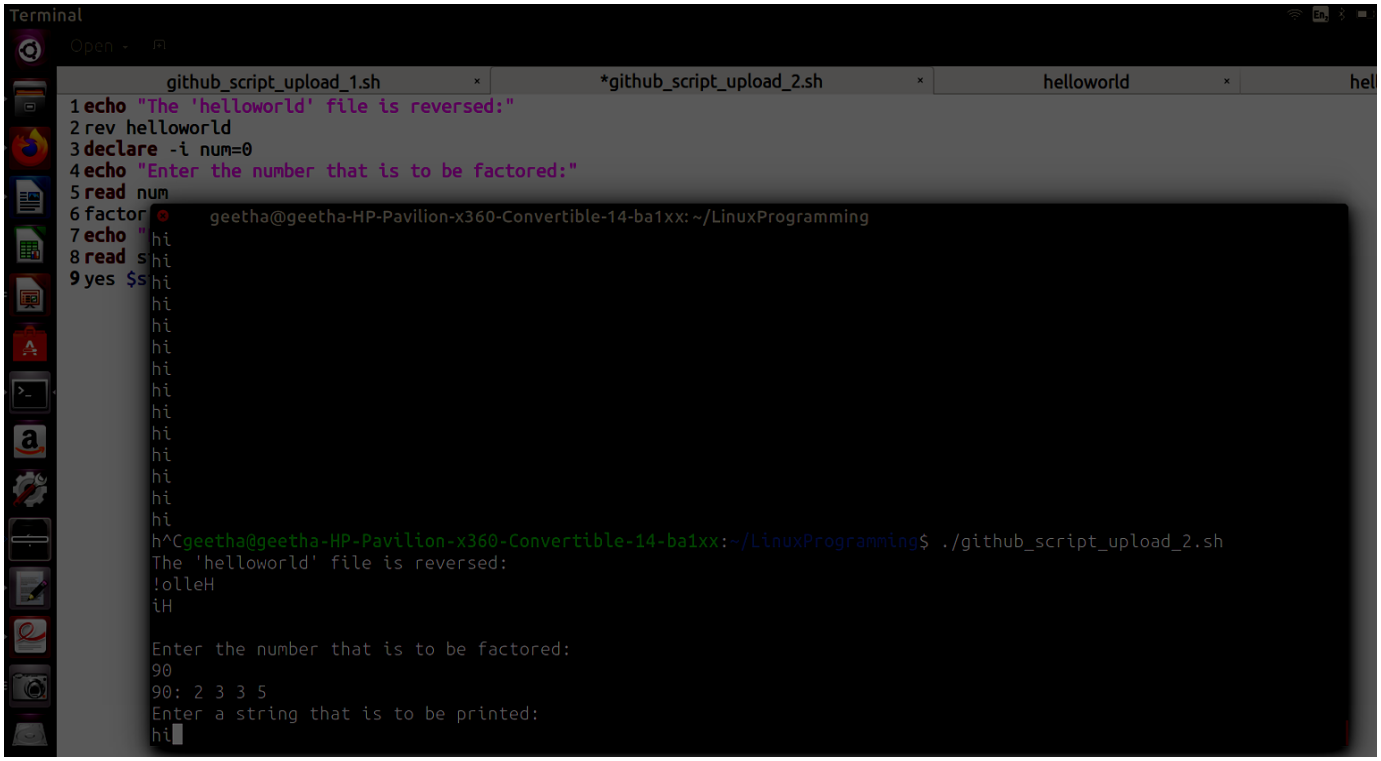


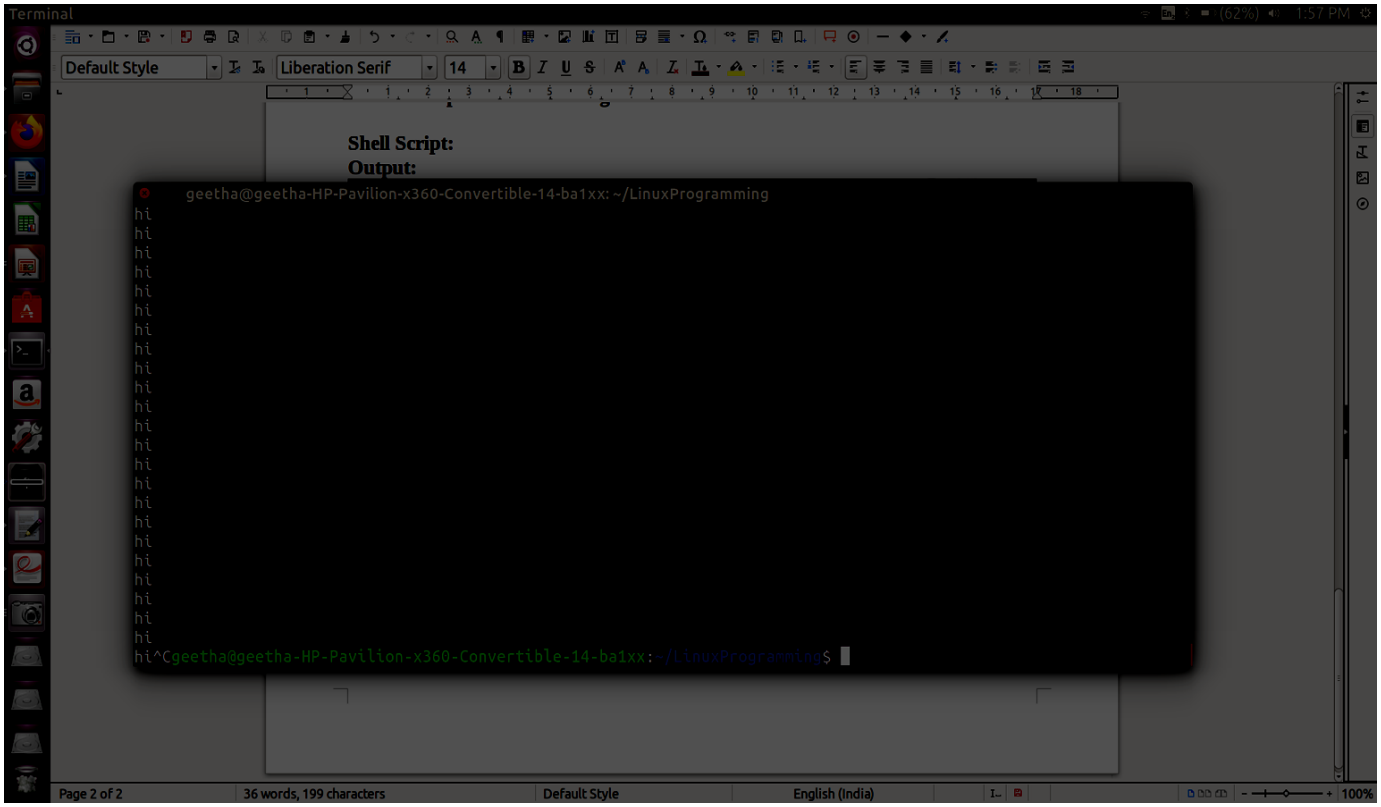
2. Shell script executing ‘rev’, ‘factor’ and ‘yes’:

Shell Script:



Output:


Terminal
github_script_upload_1.sh
*github_script_upload_2.sh
helloworld
1 echo "The 'helloworld' file is reversed:"
2 rev helloworld
3 declare -i num=0
4 echo "Enter the number that is to be factored:"
5 read num
6 factor
7 echo "
8 read s
9 yes $s
geetha@geetha-HP-Pavilion-x360-Convertible-14-ba1xx: ~/LinuxProgramming
hi
h^Cgeetha@geetha-HP-Pavilion-x360-Convertible-14-ba1xx:~/LinuxProgramming$ ./github_script_upload_2.sh
The 'helloworld' file is reversed:
!olleH
iH
Enter the number that is to be factored:
90
90: 2 3 3 5
Enter a string that is to be printed:
hi

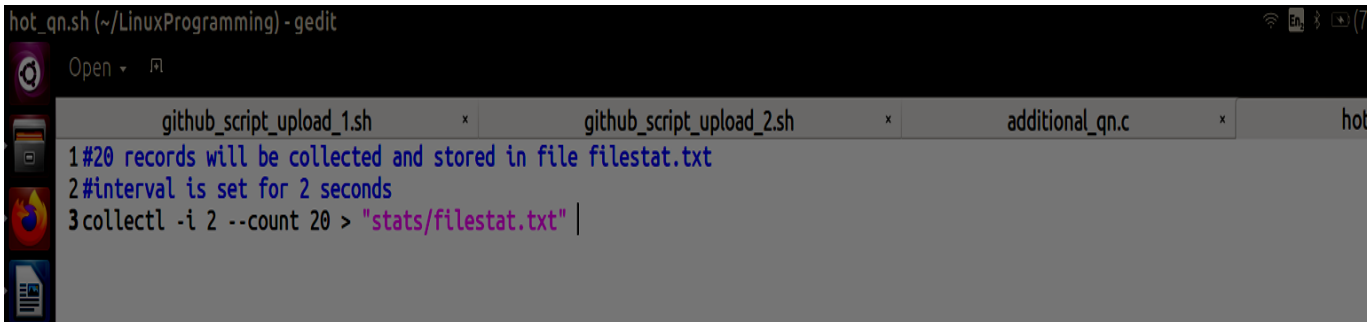

Terminal
Default Style
Liberation Serif
14
Shell Script:
Output:
geetha@geetha-HP-Pavilion-x360-Convertible-14-ba1xx: ~/LinuxProgramming
hi^Cgeetha@geetha-HP-Pavilion-x360-Convertible-14-ba1xx:~/LinuxProgramming$
Page 2 of 2
36 words, 199 characters
Default Style
English (India)
100%

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.

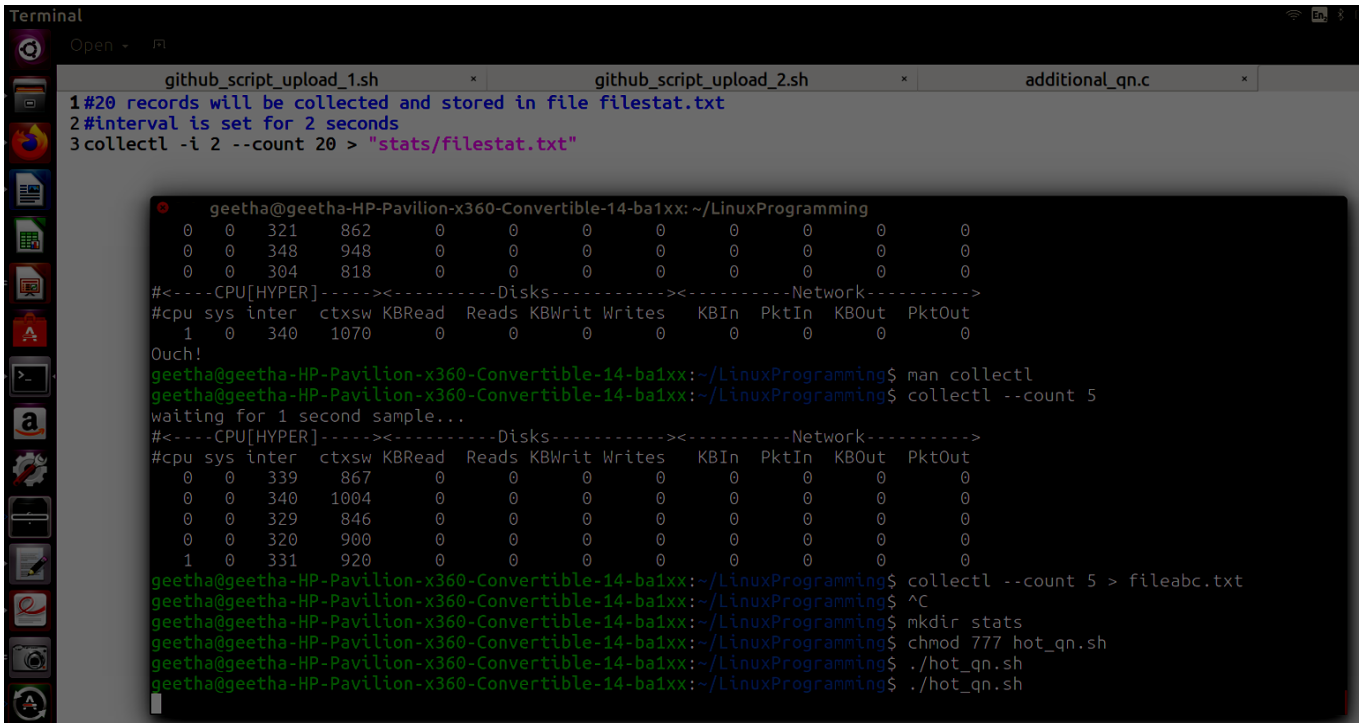
Collectl is a very good performance monitoring tool.
Step 1: Installed collectl
Step 2: Wrote the shell script

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: