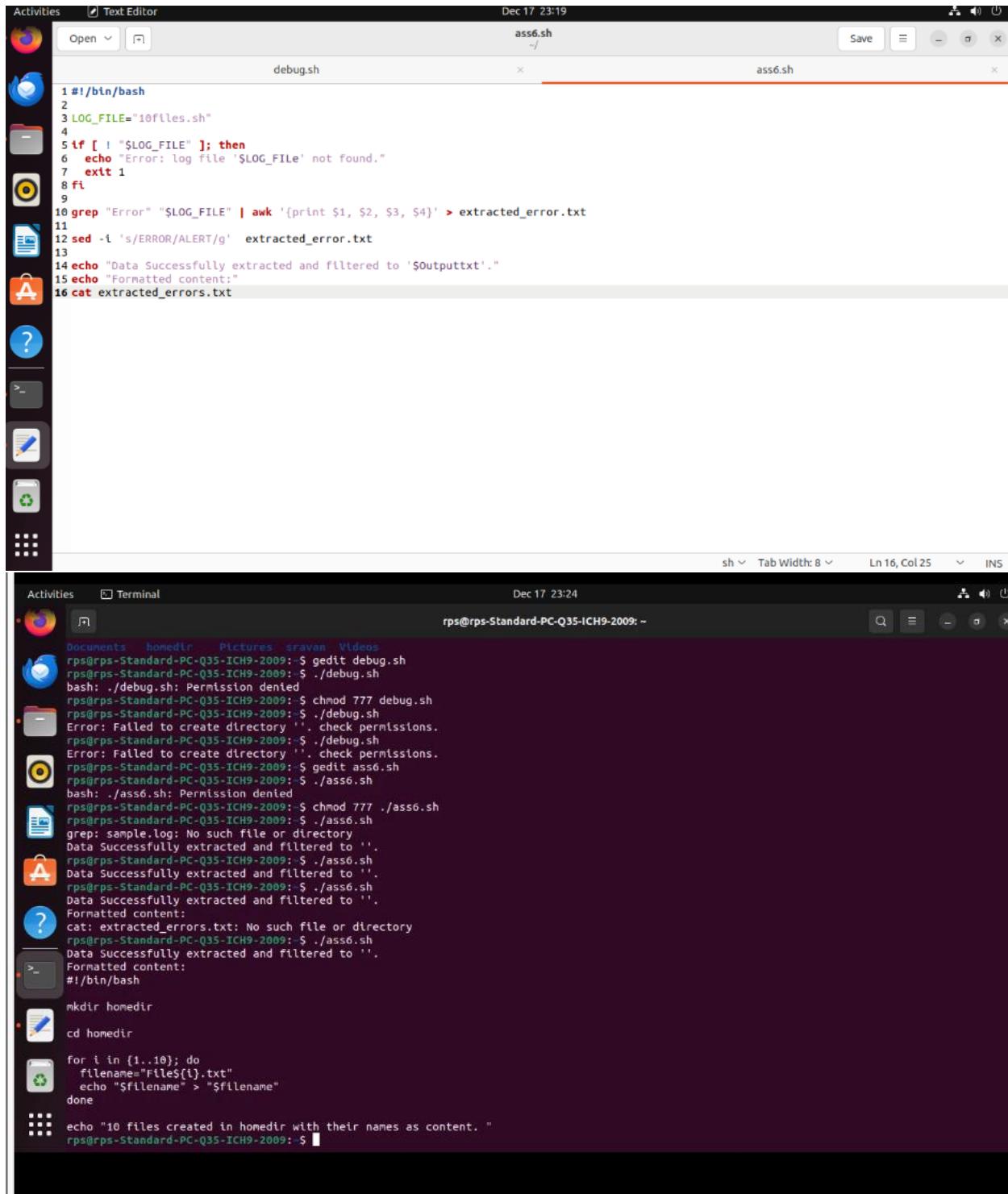


Assignment 6: Given a sample log file, write a script using grep to extract all lines containing "ERROR". Use awk to print the date, time, and error message of each extracted line.

Data Processing with sed



```
1 #!/bin/bash
2
3 LOG_FILE="10files.sh"
4
5 if [ ! "$LOG_FILE" ]; then
6     echo "Error: log file '$LOG_FILE' not found."
7     exit 1
8 fi
9
10 grep "Error" "$LOG_FILE" | awk '{print $1, $2, $3, $4}' > extracted_error.txt
11
12 sed -i 's/ERROR/ALERT/g' extracted_error.txt
13
14 echo "Data Successfully extracted and filtered to '$Outputtxt'."
15 echo "Formatted content:"
16 cat extracted_errors.txt
```

```
rps@rps-Standard-PC-Q35-ICH9-2009: ~
Documents homedir Pictures sravan Videos
rps@rps-Standard-PC-Q35-ICH9-2009:~$ gedit debug.sh
rps@rps-Standard-PC-Q35-ICH9-2009:~$ ./debug.sh
bash: ./debug.sh: Permission denied
rps@rps-Standard-PC-Q35-ICH9-2009:~$ chmod 777 debug.sh
rps@rps-Standard-PC-Q35-ICH9-2009:~$ ./debug.sh
Error: Failed to create directory '', check permissions.
rps@rps-Standard-PC-Q35-ICH9-2009:~$ ./debug.sh
Error: Failed to create directory '', check permissions.
rps@rps-Standard-PC-Q35-ICH9-2009:~$ gedit ass6.sh
rps@rps-Standard-PC-Q35-ICH9-2009:~$ ./ass6.sh
bash: ./ass6.sh: Permission denied
rps@rps-Standard-PC-Q35-ICH9-2009:~$ chmod 777 ./ass6.sh
rps@rps-Standard-PC-Q35-ICH9-2009:~$ ./ass6.sh
grep: sample.log: No such file or directory
Data Successfully extracted and filtered to ''.
rps@rps-Standard-PC-Q35-ICH9-2009:~$ ./ass6.sh
Data Successfully extracted and filtered to ''.
rps@rps-Standard-PC-Q35-ICH9-2009:~$ ./ass6.sh
Data Successfully extracted and filtered to ''.
Formatted content:
cat: extracted_errors.txt: No such file or directory
rps@rps-Standard-PC-Q35-ICH9-2009:~$ ./ass6.sh
Data Successfully extracted and filtered to ''.
Formatted content:
#!/bin/bash
mkdir homedir
cd homedir
for i in {1..10}; do
    filename="File${i}.txt"
    echo "$filename" > "$filename"
done
echo "10 files created in homedir with their names as content."
rps@rps-Standard-PC-Q35-ICH9-2009:~$
```