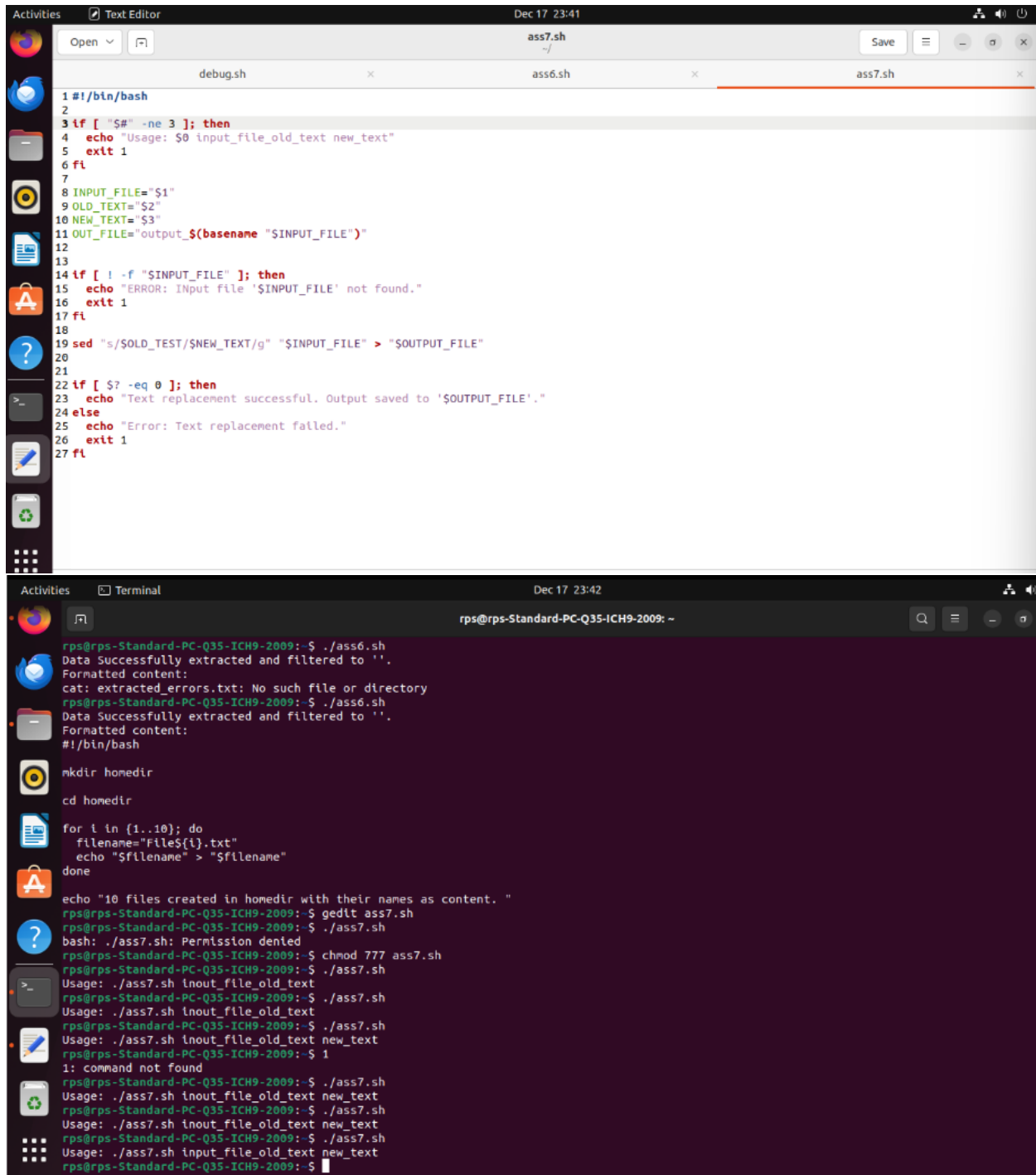


Assignment 7: Create a script that takes a text file and replaces all occurrences of "old_text" with "new_text". Use sed to perform this operation and output the result to a new file.



```
1 #!/bin/bash
2
3 if [ $# -ne 3 ]; then
4     echo "Usage: $0 input_file_old_text new_text"
5     exit 1
6 fi
7
8 INPUT_FILE="$1"
9 OLD_TEXT="$2"
10 NEW_TEXT="$3"
11 OUT_FILE="output_${basename "$INPUT_FILE"}"
12
13
14 if [ ! -f "$INPUT_FILE" ]; then
15     echo "ERROR: Input file '$INPUT_FILE' not found."
16     exit 1
17 fi
18
19 sed "s/$OLD_TEST/$NEW_TEXT/g" "$INPUT_FILE" > "$OUTPUT_FILE"
20
21
22 if [ $? -eq 0 ]; then
23     echo "Text replacement successful. Output saved to '$OUTPUT_FILE'."
24 else
25     echo "Error: Text replacement failed."
26     exit 1
27 fi
```

```
rps@rps-Standard-PC-Q35-ICH9-2009: ~
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" > "$filename"
done
echo "10 files created in homedir with their names as content. "
rps@rps-Standard-PC-Q35-ICH9-2009:~$ gedit ass7.sh
rps@rps-Standard-PC-Q35-ICH9-2009:~$ ./ass7.sh
bash: ./ass7.sh: Permission denied
rps@rps-Standard-PC-Q35-ICH9-2009:~$ chmod 777 ass7.sh
rps@rps-Standard-PC-Q35-ICH9-2009:~$ ./ass7.sh
Usage: ./ass7.sh inout_file_old_text
rps@rps-Standard-PC-Q35-ICH9-2009:~$ ./ass7.sh
Usage: ./ass7.sh inout_file_old_text
rps@rps-Standard-PC-Q35-ICH9-2009:~$ ./ass7.sh
Usage: ./ass7.sh inout_file_old_text new_text
rps@rps-Standard-PC-Q35-ICH9-2009:~$ ./ass7.sh
1: command not found
rps@rps-Standard-PC-Q35-ICH9-2009:~$ ./ass7.sh
Usage: ./ass7.sh inout_file_old_text new_text
rps@rps-Standard-PC-Q35-ICH9-2009:~$ ./ass7.sh
Usage: ./ass7.sh inout_file_old text new_text
rps@rps-Standard-PC-Q35-ICH9-2009:~$ ./ass7.sh
Usage: ./ass7.sh input_file_old_text new_text
rps@rps-Standard-PC-Q35-ICH9-2009:~$
```