

Assignment-7

Name: Boyapati Durgamallikarjuna

RPS UserId: 21951

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.

Shell script code with the name of replace_text.sh:

A terminal window titled 'rps@rps-VMware-Virtual-Platform: ~/shell_script' showing the code for a shell script named 'replace_text.sh'. The code is as follows:

```
if [ "$#" -ne 3 ]; then
    echo "Usage: $0 <input_file> <old_text> <new_text>"
    exit 1
fi

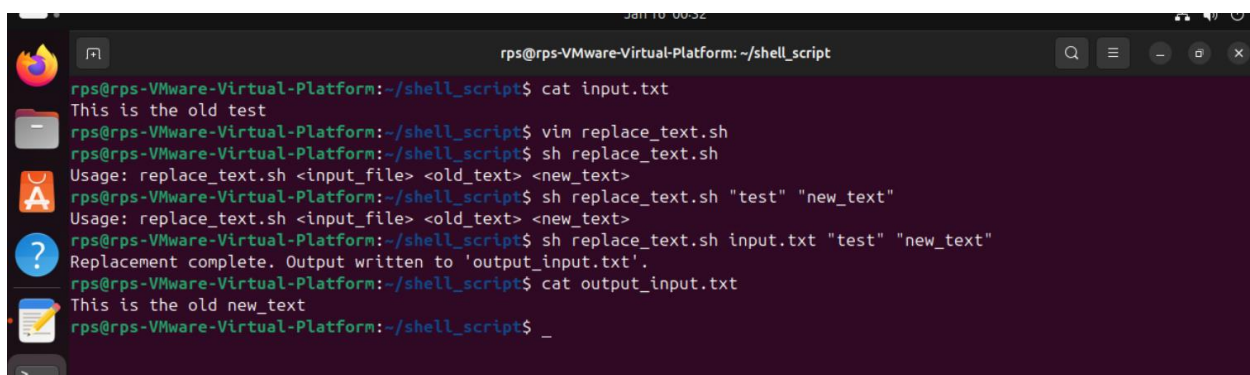
input=$1
old=$2
new=$3
output="output_${basename "$input"}"

if [ ! -f "$input" ]; then
    echo "Error: File '$input' not found!"
    exit 1
fi

sed "s/${old}/${new}/g" "$input" > "$output"

echo "Replacement complete. Output written to '$output'."
```

Commands to run replace_text.sh and checking its function:

A terminal window titled 'rps@rps-VMware-Virtual-Platform: ~/shell_script' showing the execution of the script. The commands and their outputs are:

```
rps@rps-VMware-Virtual-Platform:~/shell_script$ cat input.txt
This is the old test
rps@rps-VMware-Virtual-Platform:~/shell_script$ vim replace_text.sh
rps@rps-VMware-Virtual-Platform:~/shell_script$ sh replace_text.sh
Usage: replace_text.sh <input_file> <old_text> <new_text>
rps@rps-VMware-Virtual-Platform:~/shell_script$ sh replace_text.sh "test" "new_text"
Usage: replace_text.sh <input_file> <old_text> <new_text>
rps@rps-VMware-Virtual-Platform:~/shell_script$ sh replace_text.sh input.txt "test" "new_text"
Replacement complete. Output written to 'output_input.txt'.
rps@rps-VMware-Virtual-Platform:~/shell_script$ cat output_input.txt
This is the old new_text
rps@rps-VMware-Virtual-Platform:~/shell_script$ _
```