Name: Prashanth Raghavendra Rao

Task: Bash Scripting

Date: 25/05/2025

Task Description:

1. Create a shell script to print the HTTP error code of guvi.in & print, the success/failure message based on the error code response.

2. Given a file, replace all occurrence of the word "give" with "learning" from 5th line till the end in only those lines that contain the word "welcome"

Bash Script:

```
ubuntu@ip-172-31-11-11:~/task4$ pwd
/home/ubuntu/task4
ubuntu@ip-172-31-11-11:~/task4$ ls -ltr
total 8
-rwxrwxr-x 1 ubuntu ubuntu 845 May 25 11:53 prash_bash.sh
-rw-rw-r-- 1 ubuntu ubuntu 328 May 25 11:55 test.txt
ubuntu@ip-172-31-11-11:~/task4$
ubuntu@ip-172-31-11-11:~/task4$ cat test.txt
Hi, This is a sample text file for Bash Scripting Task.
Welcome, This is Line 1 Prashanth.
Welcome, This is Line 2 Prashanth.
Welcome, This is Line 3 Prashanth.
Welcome, This Line 4 will be a give-away from Prashanth.
Welcome, This is Line 5 Prashanth.
Welcome, This is Line 6 Prashanth.
This is the EOL.
Thank you for reading.
ubuntu@ip-172-31-11-11:~/task4$
ubuntu@ip-172-31-11-11:~/task4$
ubuntu@ip-172-31-11-11:~/task4$ cat prash_bash.sh
#! /bin/bash

echo "Welcome to shell scripting - Prashanth"

echo "Task 1: Create a shell script to print the HTTP error code of guvi.in & print, the success/failure message based on the error code response"

code=$(curl -s -o /dev/null -w "%{http_code}" https://www.guvi.in)
echo "Status code from guvi.in - $code"

if [[ $code -ge 200 && $code -lt 300 ]]; then
    echo "Success - from guvi.in"
else
    echo "Failure - from guvi.in"
fi


echo "================================================="

echo 'Task 2: Given a file, replace all occurrence of the word "give" with "learning" from 5th line till the end in only those lines that contain the word "welcome"'

file_name="test.txt"

awk 'NR<5 { print; next } /Welcome/ { gsub(/give/, "learning")} { print }' "$file_name" > temp_file && mv temp_file "$file_name"

echo "Replacement complete."
ubuntu@ip-172-31-11-11:~/task4$
```

Result:

```
ubuntu@ip-172-31-11-11:~/task4$ pwd
/home/ubuntu/task4
ubuntu@ip-172-31-11-11:~/task4$ ls -ltr
total 8
-rwxrwxr-x 1 ubuntu ubuntu 845 May 25 11:53 prash_bash.sh
-rw-rw-r-- 1 ubuntu ubuntu 328 May 25 11:56 test.txt
ubuntu@ip-172-31-11-11:~/task4$
ubuntu@ip-172-31-11-11:~/task4$ cat test.txt
Hi, This is a sample text file for Bash Scripting Task.
Welcome, This is Line 1 Prashanth.
Welcome, This is Line 2 Prashanth.
Welcome, This is Line 3 Prashanth.
Welcome, This Line 4 will be a give-away from Prashanth.
Welcome, This is Line 5 Prashanth.
Welcome, This is Line 6 Prashanth.
This is the EOL.
Thank you for reading.
ubuntu@ip-172-31-11-11:~/task4$
ubuntu@ip-172-31-11-11:~/task4$ ./prash_bash.sh
Welcome to shell scripting - Prashanth
Task 1: Create a shell script to print the HTTP error code of guvi.in & print, the success/failure message based on the error code response
Status code from guvi.in - 200
Success - from guvi.in
=================================================
Task 2: Given a file, replace all occurrence of the word "give" with "learning" from 5th line till the end in only those lines that contain the word "welcome"
Replacement complete.
ubuntu@ip-172-31-11-11:~/task4$
ubuntu@ip-172-31-11-11:~/task4$ cat test.txt
Hi, This is a sample text file for Bash Scripting Task.
Welcome, This is Line 1 Prashanth.
Welcome, This is Line 2 Prashanth.
Welcome, This is Line 3 Prashanth.
Welcome, This Line 4 will be a learning-away from Prashanth.
Welcome, This is Line 5 Prashanth.
Welcome, This is Line 6 Prashanth.
This is the EOL.
Thank you for reading.
ubuntu@ip-172-31-11-11:~/task4$
```