

Scripting Task

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

```
#!/bin/bash
```

Task 1: Get HTTP status code of guvi.in

```
URL="https://guvi.in"

status_code=$(curl -o /dev/null -s -w "%{http_code}" "$URL")

echo "HTTP Status Code: $status_code"

if [ "$status_code" -eq 200 ]; then

    echo "Success: The website is reachable."

else

    echo "Failure: The website returned an error."

fi
```

```
root@ip-172-31-15-218:/home/ubuntu# vim script.sh
root@ip-172-31-15-218:/home/ubuntu# ./scrpt.sh
bash: ./scrpt.sh: No such file or directory
root@ip-172-31-15-218:/home/ubuntu# ./script.sh
bash: ./script.sh: Permission denied
root@ip-172-31-15-218:/home/ubuntu# chmod +x script.sh
root@ip-172-31-15-218:/home/ubuntu# ./script.sh
HTTP Status Code: 301
Failure: The website returned an error.
root@ip-172-31-15-218:/home/ubuntu# █
```

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"

To create a test file

```
root@ip-172-31-15-218:/home/ubuntu# vim test.txt  
root@ip-172-31-15-218:/home/ubuntu# 
```

Input some contents inside the file

```
1 This is a test line
2 We try to give our best
3 welcome everyone, we will give our full support
4 Another random line
5 welcome to the session, we will give examples
6 This line does not have the keyword
7 welcome! we want to give you more information
8 Just another line
9 welcome all, please give feedback

~
```

To create a script file

Vim script2.sh then write the script using Vim editor

```
#!/bin/bash

# Task 2: Replace words in file
FILE="test.txt"

sed -i '5,$s/\(.*welcome.*\)\(give\|learning\)/\1learning/g' "$FILE"

~
```

Then save :wq

Before executing the script you have give permission to the file

Chmod +x script2.sh

To execute the file : ./script2.sh

```
root@ip-172-31-15-218:/home/ubuntu# vim script2.sh
root@ip-172-31-15-218:/home/ubuntu# ./script2.sh
bash: ./script2.sh: Permission denied
root@ip-172-31-15-218:/home/ubuntu# chmod +x script2.sh
root@ip-172-31-15-218:/home/ubuntu# ./script2.sh
```

The final result

```
1 This is a test line
2 We try to give our best
3 welcome everyone, we will give our full support
4 Another random line
5 welcome to the session, we will learning examples
6 This line does not have the keyword
7 welcome! we want to learning you more information
8 Just another line
9 welcome all, please learning feedback
~
```

Result:

Only lines **5, 7, 9** changed.

Lines **1-4** unchanged.

Line **6 & 8** don't contain "welcome", so ignored.