

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

- With the help of curl which help to get any api response or load page via restapi
- # curl -o /dev/null -s -w "%{http\_code}" <https://guvi.in>
- s denotes silent no loading and progress
- w get only status code
- 0 /dev/null Discards webpage content (no HTML printed)

```
root@ip-172-31-12-183:/home/task1# nano httpError.sh
root@ip-172-31-12-183:/home/task1# ./httpError.sh
Status Code : 301
Failure : Website is not reachable!
root@ip-172-31-12-183:/home/task1# |
```

- “guvi.in” response is 301 means it permanently redirects it reachable.
- Automation .sh code

```
#!/bin/bash

URL="https://guvi.in"

http_status_code=$( curl -o /dev/null -s -w "%{http_code}" "$URL" )
echo " Status Code : $http_status_code"

if [[ $http_status_code -ge 200 && $http_status_code -lt 300 ]]
then
    echo "Success : Website is reachable!"
else
    echo "Failure : Website is not reachable!"
fi
```

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"

- First create a file with some content
- Using “sed” command to fast replacement text from the big file.

```
root@ip-172-31-12-183:/home/task1# cat file.txt
Hello Guys
I am Karthikeyan
And I am a IoT Cloud Engineer
The given file is created for test, welcome to my world.
welcome given devops
welcome given more and more
given test
given item
welcome given shellScript basics
root@ip-172-31-12-183:/home/task1#
```

- #sed ‘5,\${/welcome/s/given/learning/g}’ file.txt
- Use the above cmd to replace text.
- Sed is a text processing tool used for search, replace, delete and modify line in a file.
- 5,\$ start from line 5 to last line.
- /welcome/ Apply changes only one line containing “welcome”.
- S/old/new/g - s means substitute, given means word to replace, learning means new word, g replaces all occurrences int the line.
- -i is used for permanent changes.

```
root@ip-172-31-12-183:/home/task1# sed '5,${/welcome/s/given/learning/g}' file.txt
Hello Guys
I am Karthikeyan
And I am a IoT Cloud Engineer
The given file is created for test, welcome to my world.
welcome learning devops
welcome learning more and more
given test
given item
welcome Learning shellScript basics
```