

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

```
ubuntu@ip-172-31-39-209: ~  
https://ubuntu.com/aws/pro  
  
Expanded Security Maintenance for Applications is not enabled.  
  
2 updates can be applied immediately.  
To see these additional updates run: apt list --upgradable  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
The list of available updates is more than a week old.  
To check for new updates run: sudo apt update  
  
Last login: Tue Sep  9 12:59:28 2025 from 157.50.41.94  
ubuntu@ip-172-31-39-209:~$ ls  
MyFirstRepo  compare.sh  greet.sh  greet2.sh  usage.sh  
ubuntu@ip-172-31-39-209:~$ touch check_http.sh  
ubuntu@ip-172-31-39-209:~$ ls -l check_http.sh  
-rw-rw-r-- 1 ubuntu ubuntu 0 Sep 11 15:45 check_http.sh  
ubuntu@ip-172-31-39-209:~$ chmod +x check_http.sh  
ubuntu@ip-172-31-39-209:~$ ls -l check_http.sh  
-rwxrwxr-x 1 ubuntu ubuntu 0 Sep 11 15:45 check_http.sh  
ubuntu@ip-172-31-39-209:~$
```

first i created check_http.sh file and gave execute permission

```
ubuntu@ip-172-31-39-209: ~  
ubuntu@ip-172-31-39-209:~$ ls  
MyFirstRepo  check_http.sh  compare.sh  greet.sh  greet2.sh  usage.sh  
ubuntu@ip-172-31-39-209:~$ touch replace_text.sh  
ubuntu@ip-172-31-39-209:~$ ls  
MyFirstRepo  compare.sh  greet2.sh  usage.sh  
check_http.sh  greet.sh  replace_text.sh  
ubuntu@ip-172-31-39-209:~$ chmod +x replace_text.sh  
ubuntu@ip-172-31-39-209:~$ ls -l  
total 24  
drwxrwxr-x 6 ubuntu ubuntu 4096 Sep  4 14:14 MyFirstRepo  
-rwxrwxr-x 1 ubuntu ubuntu  458 Sep 11 15:50 check_http.sh  
-rwxrwxr-x 1 ubuntu ubuntu  125 Sep  9 13:01 compare.sh  
-rwxrwxr-x 1 ubuntu ubuntu  190 Sep  8 14:05 greet.sh  
-rwxrwxr-x 1 ubuntu ubuntu   89 Sep  8 14:15 greet2.sh  
-rwxrwxr-x 1 ubuntu ubuntu    0 Sep 11 16:19 replace_text.sh  
-rwxrwxr-x 1 ubuntu ubuntu  341 Sep  8 14:50 usage.sh  
ubuntu@ip-172-31-39-209:~$
```

```
ubuntu@ip-172-31-39-209: ~  
#!/bin/bash  
url="https://www.guvi.in"  
  
status_code=$(curl -s -o /dev/null -w "%{http_code}" "$url")  
  
echo "HTTP Status Code: $status_code"  
  
if [ "$status_code" -eq 200 ]; then  
    echo "Success: The site is up and reachable."  
else  
    echo "Failure: The site returned an error (code $status_code)."  
fi  
  
"check http.sh" 13L, 303B 13,0-1 All
```

vi check_http.sh -> and enter the bash script
i declare the url as variable to store website address
created status code (curl -> used to fetch data from url)
-s hides progress bar and errors
-o /dev/null-> discards the actual html output (we only want status code not page content)
-w "%{http_code}"->tells curl to print only the http status code (like 200,404, etc)
and used if else condition to display the result.

```
ubuntu@ip-172-31-39-209:~$ ./check_http.sh  
HTTP Status Code: 200  
Success: The site is up and reachable.  
ubuntu@ip-172-31-39-209:~$
```

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"

here , as my understanding i created two files input.txt and output.txt

```
ubuntu@ip-172-31-39-209: ~  
ubuntu@ip-172-31-39-209:~$ ls  
MyFirstRepo  compare.sh  greet2.sh  usage.sh  
check_http.sh  greet.sh  replace_text.sh  
ubuntu@ip-172-31-39-209:~$ touch input.txt output.txt  
ubuntu@ip-172-31-39-209:~$
```

and inserted some text line with welcome word and give , i have created 8 line, in input.txt

```
ubuntu@ip-172-31-39-209: ~  
ubuntu@ip-172-31-39-209:~$ ls  
MyFirstRepo  compare.sh  greet2.sh  output.txt  usage.sh  
check_http.sh  greet.sh  input.txt  replace_text.sh  
ubuntu@ip-172-31-39-209:~$ vi input.txt  
ubuntu@ip-172-31-39-209:~$ vi output.txt  
ubuntu@ip-172-31-39-209:~$ cat input.txt  
1 This is a test  
2 Please give  
3 Hello welcome give  
4 Just testing  
5 welcome give again  
6 Another line with welcome give  
7 welcome give knowledge  
8 many things welcome give  
ubuntu@ip-172-31-39-209:~$ vi output.txt  
ubuntu@ip-172-31-39-209:~$ cat output.txt  
  
ubuntu@ip-172-31-39-209:~$
```

and output.txt as empty, and i created a shell replace_text.sh , this script will copy the the text from input.txt to ouput.txt , but from 5 line the text give where the line containing welcome word will be changed as learning in output.txt file.

```
ubuntu@ip-172-31-39-209:~$ cat replace_text.sh  
#!/bin/bash  
  
# Replace 'give' with 'learning' from 5th line onward,  
# but only in lines containing 'welcome'  
  
sed '5,$s/\(.*welcome.*\)give/\1learning/g' input.txt > output.txt  
ubuntu@ip-172-31-39-209:~$
```

I used stream editor sed 5,\$ means line 5 till the end of file,
s/.../g-> replace the pattern globally in each matching line.
\(...\)and \1-> caputre the part of the line before/after replacement so only “give” changes, not the rest of the line.

Only lines containing welcome will changed because of the .*welcome* match.

```
ubuntu@ip-172-31-39-209: ~  
ubuntu@ip-172-31-39-209:~$ vi output.txt  
ubuntu@ip-172-31-39-209:~$ cat input.txt  
1 This is a test  
2 Please give  
3 Hello welcome give  
4 Just testing  
5 welcome give again  
6 Another line with welcome give  
7 welcome give knowledge  
8 many things welcome give  
ubuntu@ip-172-31-39-209:~$ vi output.txt  
ubuntu@ip-172-31-39-209:~$ cat output.txt  
  
ubuntu@ip-172-31-39-209:~$ ./replace_text.sh  
ubuntu@ip-172-31-39-209:~$ cat output.txt  
1 This is a test  
2 Please give  
3 Hello welcome give  
4 Just testing  
5 welcome learning again  
6 Another line with welcome learning  
7 welcome learning knowledge  
8 many things welcome learning  
ubuntu@ip-172-31-39-209:~$
```