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

first i created check_http.sh file and gave execute permission

```
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

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"check_http.sh" 13L, 303B                          13,0-1        All
```

vi check_http.sh -> and enter the bash script
i declare the url as varialble 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 outpu.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

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 outpu.txt file.

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.