

# Bash Scripting Task

## Task -1

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Select mounika@MounikaKPC: ~
mounika@MounikaKPC:~$ vi task1.sh
mounika@MounikaKPC:~$ cat task1.sh
#!/bin/bash

# URL from which you want http error code
URL="https://guvi.in"

#To get the HTTP status code using curl
status_code=$(curl -s -o /dev/null -w "%{http_code}" "$URL")

if [ "$status_code" -eq 200 ]; then
    echo "Success: HTTP status code is $status_code"
else
    echo "Failure: HTTP status code is $status_code"
fi
mounika@MounikaKPC:~$ chmod +x task1.sh
mounika@MounikaKPC:~$ ./task1.sh
Failure: HTTP status code is 301
mounika@MounikaKPC:~$ curl -I https://guvi.in
HTTP/2 301
date: Sun, 15 Dec 2024 18:47:07 GMT
content-type: text/html
content-length: 167
location: https://www.guvi.in/
cache-control: max-age=3600
expires: Sun, 15 Dec 2024 19:47:07 GMT
report-to: [{"endpoints":[{"url":"https://a.nel.cloudflare.com/report/v4?s=A3%2F7e30eVtsa8mH1l0552kYsBQp0KS2B7ny8afJpqUc2aXfU1jYB3%2Fznn4V2k2rTu4781lw60eLkomR9EslfLhK+E2A11Rx3K88H5pF5xnb77YfXjsrsZcEX30"}],
group:"cf-nel","max_age":604800}
nel: {"success_fraction":0,"report_to":"cf-nel","max_age":604800}
strict-transport-security: max-age=0; includeSubDomains; preload
server: cloudflare
cf-ray: 8f2899af9b2c8609-BOM
alt-svc: h3=":443"; ma=86400
server-timing: cfI4;desc="?proto=TCP&rtt=16879&min_rtt=15949&rtt_var=6645&sent=5&recv=7&lost=0&retrans=0&sent_bytes=2899&recv_bytes=745&delivery_rate=180575&cmd=251&unsent_bytes=0&cid=fadced28293eae2&ts=27&x=6"
mounika@MounikaKPC:~$
```

## Task-2

```
mounika@MounikaKPC: ~
mounika@MounikaKPC:~$ vi file.txt
mounika@MounikaKPC:~$ cat file.txt
line number 1
line number 2
line number 3: welcome to give
line number 4
line number 5 welcome to give devops
line number 6 give
line number 7 welcome give
line number 8 give welcome
welcome line number 9 give
mounika@MounikaKPC:~$
mounika@MounikaKPC:~$ vi task2.sh
mounika@MounikaKPC:~$ cat task2.sh
#!/bin/bash

#take file name from user input
read -p " Please enter the file name: " file

# To check file existence
if [ ! -f "$file" ]; then
    echo "Error: File '$file' not found."
    exit 1
fi

# using awk to check file from the 5th line onwards
awk 'NR >= 5 {
    if ($0 ~ /welcome/) {
        gsub(/give/, "learning");
    }
}' "$file" > temp_file && mv temp_file "$file"

echo "Word 'give' replaced with 'learning' from the 5th line in which line it contain welcome."
mounika@MounikaKPC:~$ chmod +x task2.sh
mounika@MounikaKPC:~$ ./task2.sh
Please enter the file name: file.txt
Word 'give' replaced with 'learning' from the 5th line in which line it contain welcome.
mounika@MounikaKPC:~$
mounika@MounikaKPC:~$ cat file.txt
line number 1
line number 2
line number 3: welcome to give
line number 4
line number 5 welcome to learning devops
line number 6 give
line number 7 welcome learning
line number 8 learning welcome
welcome line number 9 learning
mounika@MounikaKPC:~$
```