Experiment5: Write a shell script to perform the following string operations:

(A) To extract a substring from a given string.

Command: nano filrname.sh

Script: $var var= "Hello how

are you" echo $var echo

${var:6:7}

Terminal: chmod +x filename

./nameofthefile.sh

(B) To find the length of a given string.

Command: nano filename.sh **Script:** $var var= "Hello

how are you" echo "$var" echo ${#var}

Terminal: chmod +x filename

./nameofthefile.sh

(C) Compare the running time of above shell script and C program using the time command.

Command: time ./filename.sh

```
vanshak@HP-laptop:/mnt/d$ time ./exp5a.sh
hello how are you
how are

real    0m0.011s
user    0m0.000s
sys     0m0.000s
vanshak@HP-laptop:/mnt/d$ time ./exp5b.sh
Hello how are you
17

real    0m0.015s
user    0m0.000s
sys     0m0.000s
```