

Experiment 5

```
raghav_69@DESKTOP-DLF01DI: ~  
GNU nano 6.2 exp5c.sh  
$var  
var="hello welcome to os lab."  
echo $var  
echo ${var:2:10}
```

```
raghav_69@DESKTOP-DLF01DI:~$ nano exp5c.sh  
raghav_69@DESKTOP-DLF01DI:~$ ./exp5c.sh  
hello welcome to os lab.  
llo welcom
```

```
raghav_69@DESKTOP-DLF01DI: ~  
GNU nano 6.2 exp5a.sh  
$var  
var="Hello , this is a demo file for os lab"  
echo ${#var}
```

```
raghav_69@DESKTOP-DLF01DI: ~  
raghav_69@DESKTOP-DLF01DI:~$ nano exp5a.sh  
raghav_69@DESKTOP-DLF01DI:~$ chmod +x exp5a.sh  
raghav_69@DESKTOP-DLF01DI:~$ ./exp5a.sh  
38  
raghav_69@DESKTOP-DLF01DI:~$ _
```

```
raghav_69@DESKTOP-DLF01DI: ~  
raghav_69@DESKTOP-DLF01DI:~$ time ./exp5a.sh  
38  
  
real    0m0.010s  
user    0m0.000s  
sys     0m0.016s  
raghav_69@DESKTOP-DLF01DI:~$ time ./exp5c.sh  
  
real    0m0.005s  
user    0m0.000s  
sys     0m0.000s  
raghav_69@DESKTOP-DLF01DI:~$
```