

EXPERIMENT 5 : - Write a shell script to perform the following string operations:

- (A) To extract a substring from a given sting. Syntax:

SYNTAX:- \$var

\$pos

\$len

echo "Enter the string"

read var

echo "Enter the starting position"

read pos

echo "Enter the length of substring"

read len

echo "Substring formed - -> \${var:pos:len}"

E.g. :- Ex_5a

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

SYNTAX :- \$str

echo "Enter the string"

read str

echo "Length of entered string is: \${#str}"

E.g.:- Ex_5b

- (C) Find the time of above two using 'time' command.

SYNTAX : - 1) time ./ex_5a.sh

2) time ./ex_5b.sh

OUTPUTS

```
ubuntu@ubuntu2004:~/Desktop$ cat ex_5a.sh
$var
$pos
$len
echo "Enter the string"
read var
echo "Enter the starting position"
read pos
echo "Enter the length of substring"
read len
echo "Substring formed--> ${var:pos:len}"
ubuntu@ubuntu2004:~/Desktop$ ./ex_5a.sh
Enter the string
This is Test string.
Enter the starting position
8
Enter the length of substring
11
Substring formed--> Test string
```

```
ubuntu@ubuntu2004:~/Desktop$ time ./ex_5b.sh
Enter the string
this is test string
Length of entered string is: 19

real    0m0.503s
user    0m0.001s
sys     0m0.006s
ubuntu@ubuntu2004:~/Desktop$ time ./program
Enter the string: this is test string
Length of entered string is: 19
real    0m0.275s
user    0m0.003s
sys     0m0.001s
ubuntu@ubuntu2004:~/Desktop$
```

```
ubuntu@ubuntu2004:~/Desktop$ cat ex_5b.sh
$str
echo "Enter the string"
read str
echo "Length of entered string is: ${#str}"
ubuntu@ubuntu2004:~/Desktop$ ./ex_5b.sh
Enter the string
this is test string
Length of entered string is: 19
```

```
ubuntu@ubuntu2004:~/Desktop$ time ./ex_5a.sh
Enter the string
this is test string
Enter the starting position
5
Enter the length of substring
7
Substring formed--> is test

real    0m8.576s
user    0m0.005s
sys     0m0.004s
```