

```
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_5a.s
```

```
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
```

```
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_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$
```