Experiment - 5

Write a shell script and C program to perform the following string operations:

- a) To extract a substring from a given string.
- **b)** To find the length of a given string.

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

```
Subplay VirtualBox - Folder 1

Spt1. C

Wincludes Stdto. In-
Int main()
{
Char Str[50];
printf("Str);
}
printf("str);
printf("str);
}
printf("n\n");
printf("\n\n");
printf("\n\n")
```



```
sia@sia-VirtualBox: ~/folder1
sia@sia-VirtualBox:~/folder1$ chmod +x 5pt0.sh
sia@sia-VirtualBox:~/folder1$ ./5pt0.sh
Enter the string :
hello. my name is sia. i am in 3rd sem.
Extraction upto 10 characters :
hello. my
Extraction from specific character :
. my name is sia. i am in 3rd sem.
Extraction from between :
sia@sia-VirtualBox:~/folder1$ chmod +x 5pt2.sh
sia@sia-VirtualBox:~/folder1$ ./5pt2.sh
Total characters in the string are : 27
sia@sia-VirtualBox:~/folder1$ nano 5pt2.sh
sia@sia-VirtualBox:~/folder1$ nano 5pt2.sh
sia@sia-VirtualBox:~/folder1$ chmod +x 5pt2.sh
sia@sia-VirtualBox:~/folder1$ ./5pt2.sh
Enter the string
hello my name is sia i am in 3rd sem
Length of the string is : 36
sia@sia-VirtualBox:~/folder1$
```