

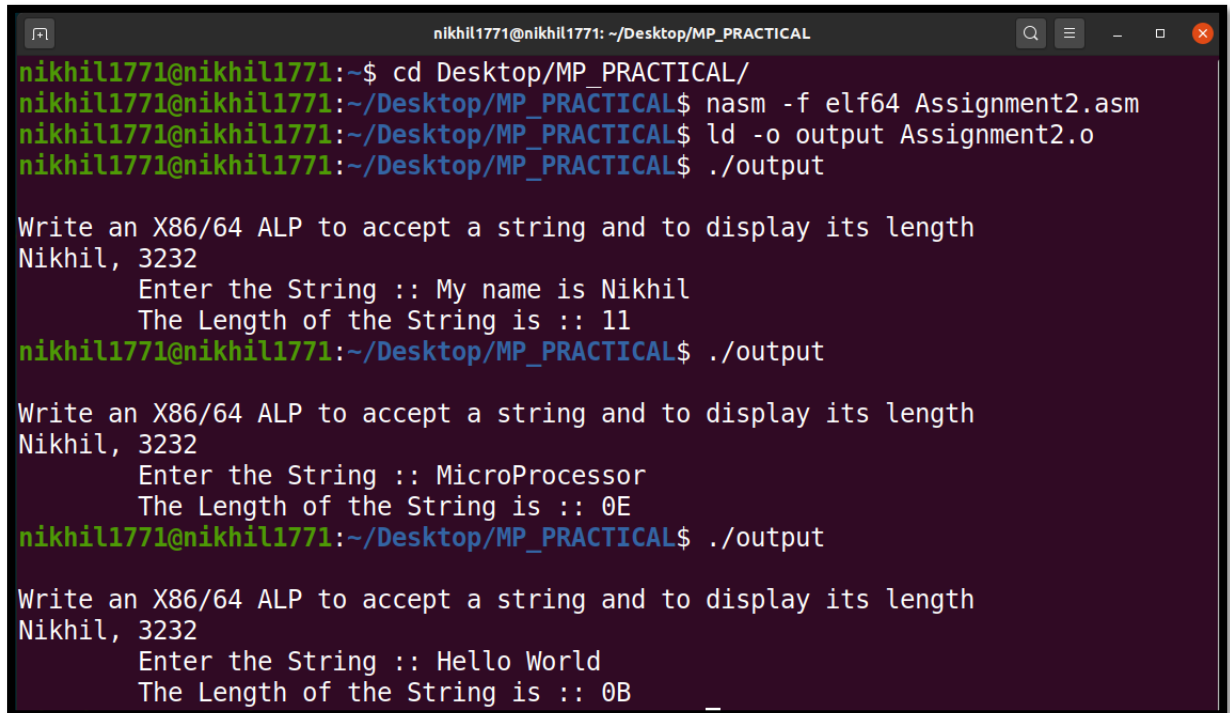
Nikhil, 3232

### PROBLEM STATEMENT:

Write an X86/64 ALP to accept a string and to display its length

### SAMPLE OUTPUT

Giving three Strings and Printing their lengths

A terminal window with a dark background and light-colored text. The window title is 'nikhil1771@nikhil1771: ~/Desktop/MP\_PRACTICAL'. The user enters commands to compile an assembly file 'Assignment2.asm' using 'nasm' and 'ld', resulting in 'output'. Then, the user runs the program three times, each time entering a string and seeing its length printed. The first run uses 'My name is Nikhil' (length 11). The second run uses 'MicroProcessor' (length 0E). The third run uses 'Hello World' (length 0B).

```
nikhil1771@nikhil1771:~$ cd Desktop/MP_PRACTICAL/
nikhil1771@nikhil1771:~/Desktop/MP_PRACTICAL$ nasm -f elf64 Assignment2.asm
nikhil1771@nikhil1771:~/Desktop/MP_PRACTICAL$ ld -o output Assignment2.o
nikhil1771@nikhil1771:~/Desktop/MP_PRACTICAL$ ./output

Write an X86/64 ALP to accept a string and to display its length
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Enter the String :: My name is Nikhil
The Length of the String is :: 11
nikhil1771@nikhil1771:~/Desktop/MP_PRACTICAL$ ./output

Write an X86/64 ALP to accept a string and to display its length
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Enter the String :: MicroProcessor
The Length of the String is :: 0E
nikhil1771@nikhil1771:~/Desktop/MP_PRACTICAL$ ./output

Write an X86/64 ALP to accept a string and to display its length
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Enter the String :: Hello World
The Length of the String is :: 0B
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```