

Code:-

```
;declare a empty string  
;accept a string from user  
;find length of string  
;display length
```

```
global _start
```

```
section .data
```

```
;Taking input from user
```

```
msg db "input a string:"  
msg_len equ $-msg  
msg1 db "length of string is:"  
msg1_len equ $-msg1
```

```
section .bss
```

```
str1 resb 30h
```

```
var1 resb 1
```

```
section .text
```

```
_start:
```

```
mov rax,1  
mov rdi,1  
mov rsi,msg  
mov rdx,msg_len  
syscall
```

```
mov rax,0  
mov rdi,0  
mov rsi,str1  
mov rdx,30h  
syscall
```

```
dec al
cmp al,9
jb dn
add al,37h
jmp dn1
```

```
dn: add al,30h
```

```
dn1:mov [var1],al
```

```
mov rax,1
mov rdi,1
mov rsi,msg1
mov rdx,msg1_len
syscall
```

```
mov rax,1
mov rdi,1
mov rsi,var1
mov rdx,1
syscall
```

```
mov rax,60
mov rdi,0
syscall
```

Output:-

</> Code

☰ Input

>_ Output

▶ Run

📄 Save

```
1 Nikhil Khodake
```

</> Code

☰ Input

>_ Output

▶ Run

📄 Save

```
input a string:length of string is:D
[Program exited with exit code 0]
```

Nikhil Vinod Khodake
9022
SE Computer
MP Assignments