

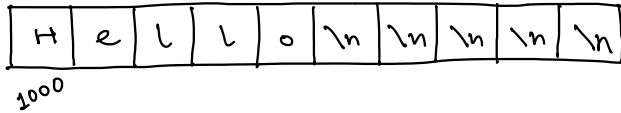
10c - Character Array & String

Friday, 14 August 2026

17:57

String is maintained using character array.

```
char c[10] = "Hello";
```



`printf("%s", c);` → keeps printing from starting address 1000 till a null character

Q Calculate length of string

```
len_of_arr.c  
arrays/len_of_arr.c > int s_len( )  
1  #include <stdio.h>  
2  
3  int s_len(char *c);  
4  
5  int main(){  
6  
7      char s[5] = "hello";  
8      int length= s_len(s);  
9      printf("Length of string is: %d", length);  
10 }  
11  
12 int s_len(char *c){  
13     int i = 0;  
14     while (c[i] != '\0'){  
15         i++;  
16     }  
17     return i;  
18 }
```

arrays — zsh

```
arnesh@Arneshs-MacBook-Air arrays % ./a.out
Length of string is: 5%
arnesh@Arneshs-MacBook-Air arrays %
```

String literals in C

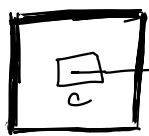
Putting in double quotes.

```
main ()
{
```

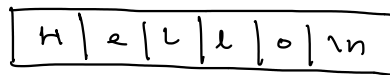
```
    char *c = "Hello";
```

```
}
```

→ remains constant and
can't be modified.



stack
memory



static memory

c[0] will cause
an error.