

```
1 #include<stdio.h>
2 int main() {
3     char x[]={ 'h','e','l','l','o'}; //doesn't end is '\0'
4     char ax[6]={ 'h','e','l','l','o'}; // ends in '\0'
5     char as[10]={ 'h','e','l','l','o'}; //ends in '\0'
6     // printf("%s\n",x);
7     char *s="hello"; //end is '\0'
8     // printf("%s",s);
9     char ss[5]={ "HELLO"}; //doesn't end in '\0'
10    char sas[]={ "HELLO"}; //end in '\0'
11    char ssaa[6]={ "HELLO"}; //end in '\0'
12    char sx[10]={ "HELLO"}; //end in '\0'
13    char sc[]="HELLO"; //end in '\0'
14
15    return 0;
16 }
```

[Edit this code](#)

→ line that just executed

→ next line to execute

<< First < Prev Next > Last >>

Step 12 of 12

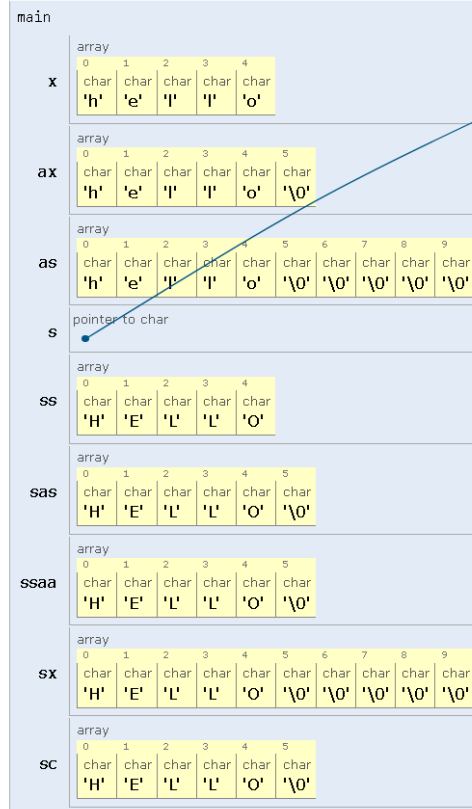
Visualized with [pythontutor.com](#)

NEW: [subscribe](#) to our YouTube

[Move and hide objects](#)

Stack

Heap



array

0	1	2	3	4	5
char	char	char	char	char	char
'h'	'e'	'l'	'l'	'o'	'\0'

(this is in read-only storage, not the heap)