

```
1  #include <stdio.h>
2
3  int main(void)
4  {
5      //variable declarations
6      char chArray_01[] = { 'A', 'S', 'T', 'R', 'O', 'M', 'E', 'D', 'I', 'C', 'O', 'M', 'P', '\0' }; // Must give \0 Explicitly For Proper Initialization
7      char chArray_02[9] = { 'W', 'E', 'L', 'C', 'O', 'M', 'E', 'S', '\0' }; // Must give \0 Explicitly For Proper Initialization
8      char chArray_03[] = { 'Y', 'O', 'U', '\0' }; // Must give \0 Explicitly For Proper Initialization
9      char chArray_04[] = "To"; // \0 is assumed, size is given as 3, although string has only 2 characters
10     char chArray_05[] = "REAL TIME RENDERING BATCH OF 2020-21"; // \0 is assumed, size is given as 40, although string has 39 characters
11
12     char chArray_WithoutNullTerminator[] = { 'H', 'e', 'l', 'l', 'o' };
13
14     //code
15     printf("\n\n");
16
17     printf("Size Of chArray_01 : %lu\n\n", sizeof(chArray_01));
18     printf("Size Of chArray_02 : %lu\n\n", sizeof(chArray_02));
19     printf("Size Of chArray_03 : %lu\n\n", sizeof(chArray_03));
20     printf("Size Of chArray_04 : %lu\n\n", sizeof(chArray_04));
21     printf("Size Of chArray_05 : %lu\n\n", sizeof(chArray_05));
22
23     printf("\n\n");
24
25     printf("The Strings Are : \n\n");
26     printf("chArray_01 : %s\n\n", chArray_01);
27     printf("chArray_02 : %s\n\n", chArray_02);
28     printf("chArray_03 : %s\n\n", chArray_03);
29     printf("chArray_04 : %s\n\n", chArray_04);
30     printf("chArray_05 : %s\n\n", chArray_05);
31
32     printf("\n\n");
33     printf("Size Of chArray_WithoutNullTerminator : %lu\n\n", sizeof(chArray_WithoutNullTerminator));
34     printf("chArray_WithoutNullTerminator : %s\n\n", chArray_WithoutNullTerminator); //Will display garbage value at the end of string due to absence of \0
35
36     return(0);
37 }
38
39
```