

```
1  /* https://stackoverflow.com/questions/17077505/string-pointer-and-array-of-char
2
3     When you declare an array, however, you aren't declaring a pointer at all. You
4     are just
5     reserving a certain amount of memory and giving it a name.
6 */
7 #include<stdio.h>
8
9 #define MAX 10
10
11 int main(void)
12 {
13     char name[] = "Apple";
14     char name2[6] = {'A', 'p', 'p', 'l', 'e', '\0'};
15     char *name3 = "Apple";
16     char name4[MAX];
17     name4 = "Apple";                                /* Wrong! */
18     int i;
19
20     for (i = 0; i < MAX; ++i) {
21         printf("&name[%d]: %p; name[%d]: %c\n", i, &name[i], i, name[i]);
22     }
23
24     return 0;
25 }
```