

```

1. #include <stdio.h>
2. #include <string.h>
3.
4. void FlipMySentence(char* apples);
5.
6.
7. int main()
8. {
9.     int i;
10.
11.     char Tires[80];
12.
13.     strcpy(Tires,"Whitewalls are best");
14.
15.     printf ("Tires is located at %p\n",Tires);
16.
17.     for (i=0; i<10; i++)
18.     {
19.         printf ("Tires[%d] = %c at %p\n",i,Tires[i], &Tires[i]);
20.         //printf ("Tires[%d] = %d at %p\n",i,Tires[i],
21. &Tires[i]);
22.         //printf ("Tires[%d] = %c at %p\n",i,*(Tires+i),
23. Tires+i);
24.     }
25.
26.     FlipMySentence(tires);
27.
28.     printf("The return string is: %s\n",Tires);
29.
30.     return 0;
31. }
32.
33. void FlipMySentence(char* apples)
34. {
35.     int i,j, length=0;
36.     char temp;
37.
38.     length = strlen(apples);
39.     printf("Sentence length =%d\n",length);
40.
41.     for(i=0, j=length-1; i<j; i++, j--)
42.     {
43.         temp = apples[i];
44.         apples[i] = apples[j];
45.         apples[j] = temp;
46.         // printf("i=%d\n",i);
47.     }
48.
49.     return;
50. }

```

Variable	vs	Pointer
Value	vs	Address
Variable	vs	Array
dereference	vs	reference

Strings

Pointer or Value?

Pointer Arithmetic

Function call
Pointer or value?

Pointer or value?
Function scope

Swap – Google
or 'Call by Reference'

What is this function doing?

51.