

```
//Example 15
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
int main()
{
    int i;
    char string[81];
    i = 0;
    printf("Enter a string: ");
    gets(string);
    printf("You entered:\n%s\n", string);
    while (string[i] != 0) //0, '\0', or NULL
    {
        printf("character %d is %c\n",i,string[i++]);
    }

    system("pause");
    return 0;
}
```