

Inconsistent Program Results

Source: http://coding.derkeiler.com/Archive/C_CPP/comp.lang.c/2007-03/msg00998.html

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I am learning C, having fun with strings & pointers at the moment!

The following program is my solution to an exercise to take an input, strip the first word, and output the rest. It works fine when you give it 2 or more words, but when there's only 1 word the results vary depending on whether it's on Windows or Linux: under MSVC it displays no output (as it should); under gcc/Linux it instead gives "Segmentation fault".

Any ideas what's going on?

TIA!

```
#include <malloc.h>
#include <stdio.h>
#include <memory.h>

#define LEN 1000

void rdinpt();

void main()
{
    char *s, *restrict;
    rdinpt(&s);
    restrict=strchr(s, ' ');
    printf("%s\n", ++restrict);
    free(s), s=restrict=0;
    return (0);
}

void rdinpt(char **s)
{
    *s=(char *) malloc( (unsigned int) LEN);
    (void) gets(*s);
    return(0);
}
```

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