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Subject: URGENT ... Segmentation fault in program... Pls help

Posted by [turkish\\_van](#) on Wed, 17 Jan 2007 19:50:37 GMT

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I have currently this C program that always gives me segmentation fault when executed.

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```
#include<stdio.h>
#include<stdlib.h>
#include<math.h>
#include<strings.h>

typedef struct amino{
char seq;
struct amino *before;
struct amino *after;
}AMINO;

int main (void)
{FILE *data, *output, *output1;
data = fopen ("Sample.txt", "r");
output = fopen ("output_sample1.txt","w");
output1 = fopen ("output_sample2.txt","w");
char input[100] = {};
AMINO *ptr;
AMINO *start;
AMINO *start1;
AMINO *next;
AMINO *pop;
AMINO *pop1;

while (fgets(input,100,data)!= NULL)
{ if (strstr(input, "SQ SEQUENCE  ") != NULL)
{ fprintf (output, "=====\n");
start = malloc (sizeof (AMINO));
start1 = start;
start->before = NULL;
start->after = NULL;
while ( (start->seq = fgetc (data)) != '/')
{ fprintf (output, "%c", start->seq);
if (start->seq == ' ' || start->seq == '\n')
{ fprintf(output, "_");
(AMINO*)pop = (AMINO*)start;
(AMINO*)pop1 = (AMINO*)start->before;
start = (AMINO*)pop1;
start->after = NULL;
free(pop);
}
next = malloc (sizeof(AMINO));
start->after = next;
```

```

        next->before = start;
        start = next;
        start->after = NULL;
    }
    ptr = start1;
    while(ptr->after != NULL)
        {fprintf (output1, "%c", ptr->seq);
        ptr = ptr->after;
        }
    fprintf(output1, "\n=====\\n");
    free (start1);
}
}
fclose (data);
fclose (output);
fclose (output1);
return EXIT_SUCCESS;
}
=====

```

This file actually reads a file and removes subsequent new line characters and spaces. However, i had segmentation fault in the line "start = (AMINO\*)pop1;" ... May i know what is wrong here and how can i change it ?

Thank you

## File Attachments

- 1) [read\\_sprot1.c](#), downloaded 325 times
- 2) [Sample1.txt](#), downloaded 348 times

Subject: Re: URGENT ... Segmentation fault in program... Pls help

Posted by [kir](#) on Wed, 17 Jan 2007 19:57:42 GMT

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I can't get how it is related to OpenVZ. Can you give me a hint?

Subject: Re: URGENT ... Segmentation fault in program... Pls help

Posted by [dlzinc](#) on Wed, 17 Jan 2007 20:30:07 GMT

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Because it segfaults when you run it under OpenVz!  
(and just so happens to also segfault when you don't...)

Anyways, it sounds like somebody thought this was a homework help forum...