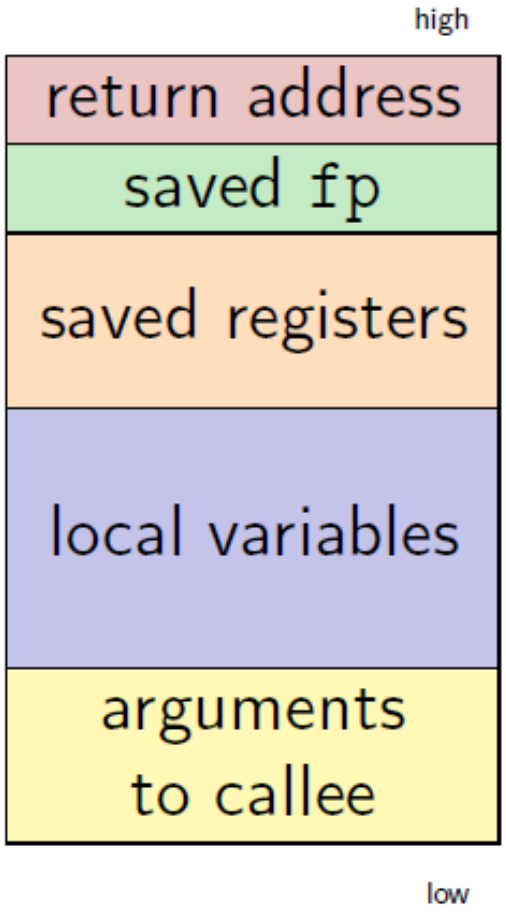
Stack buffer overflow

Stack frame layout

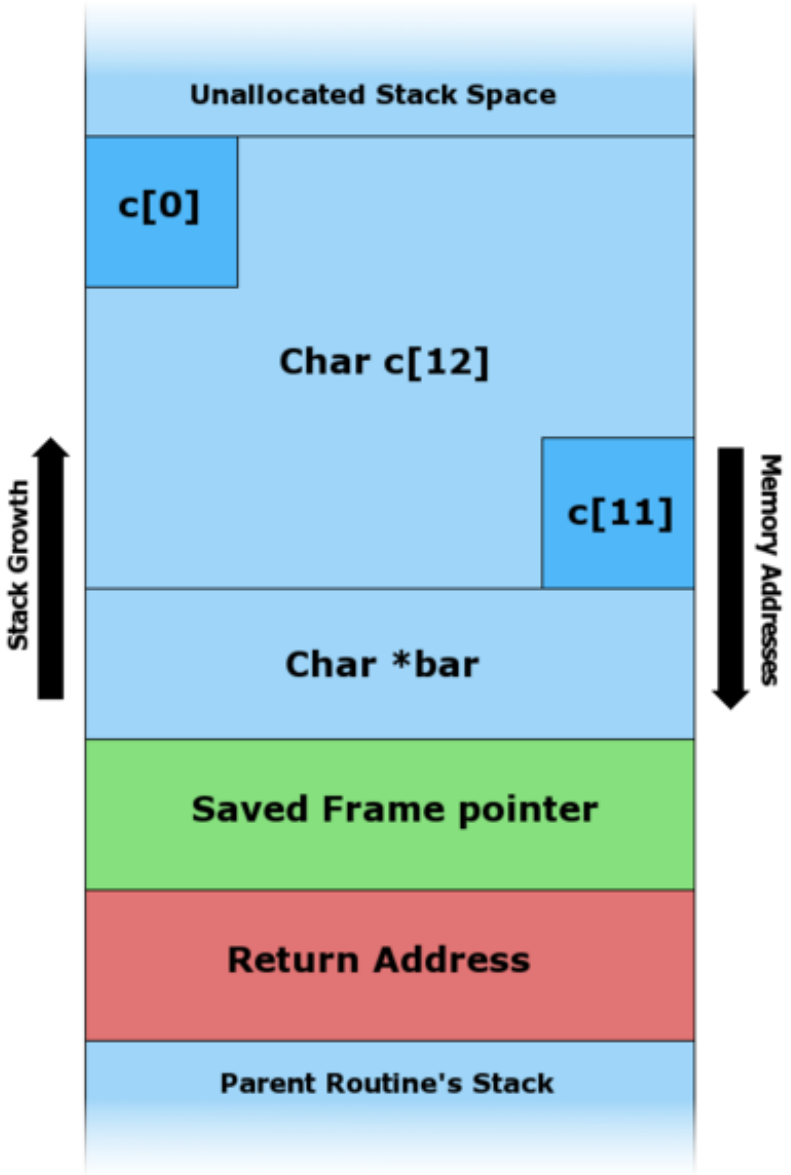


```
#include <string.h>

void foo (char *bar)
{
   char c[12];
   strcpy (c, bar); //no bound
}

int main (int argc, char **argv)
{
   foo(argv[1]);

}
```



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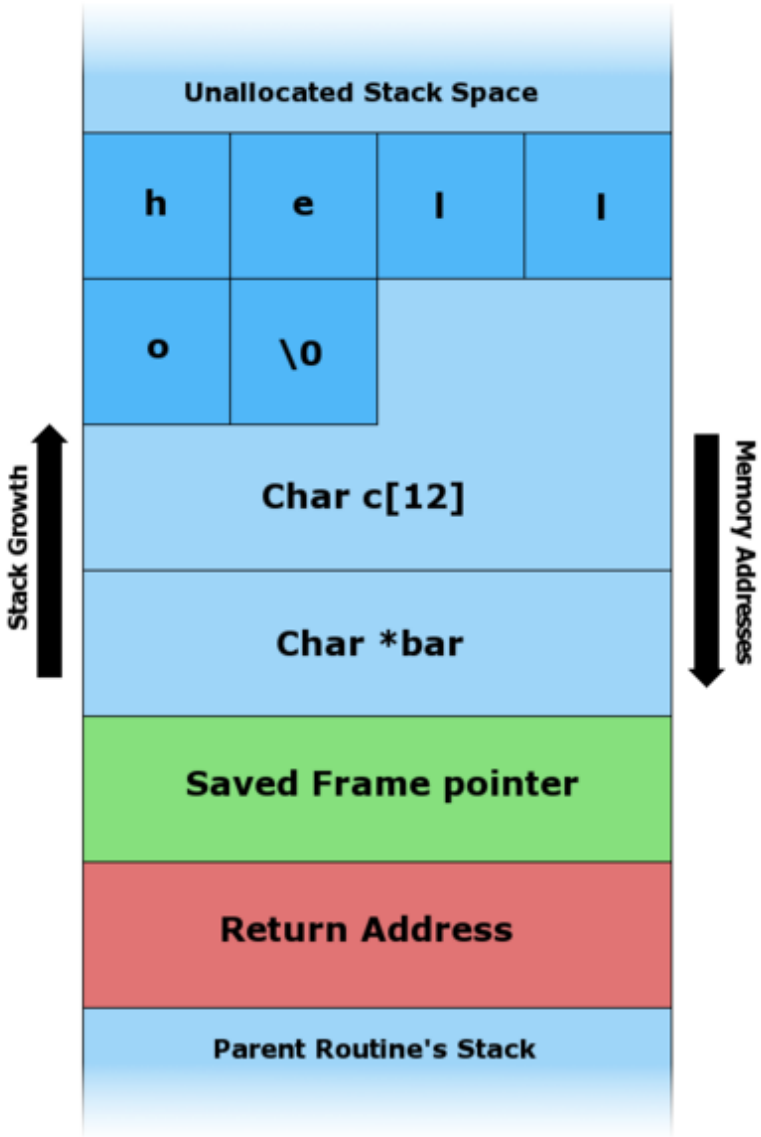

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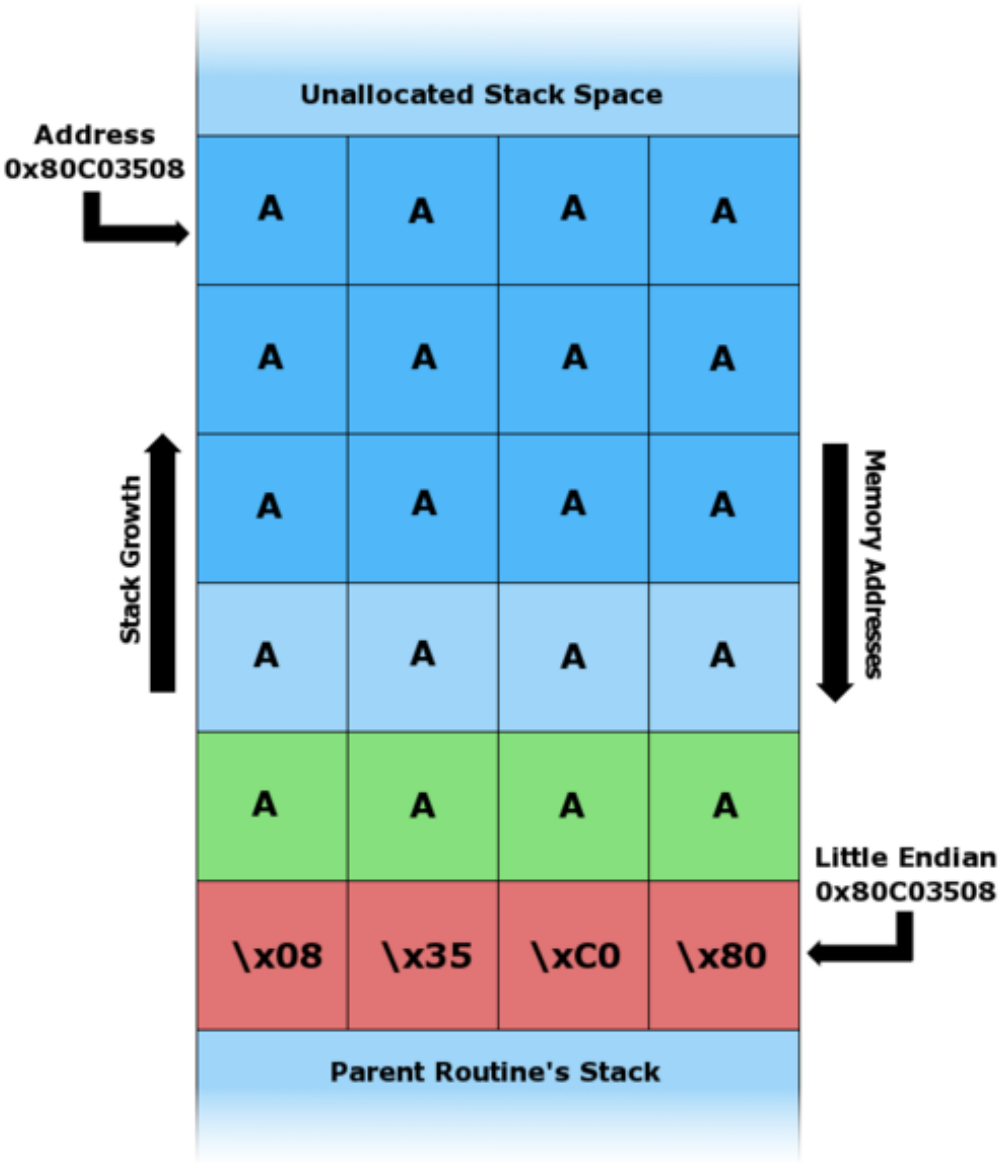

Demo

- Linux

Homework 3

- Due next week. Tuesday??
- Stack buffer overflow problem, very similar to what we have described today.
- Demo.

Linker Exercise

- 2.31