Online 1: Buffer Overflow

Section: B1 Time: 35 minutes

You are given a file B1.c. Replace the <SZ1>, <SZ2>, <PARAM> values according to the given rules.
Craft a payload that, when **strcpy**-ed into `buffer`,

- first executes `foo()` with the given parameter
- then executes `bar()` **with the return value from `foo()`**
- Then executes `secret()`.

Don't change anything except the three macros.
Submit your exploit as `exploit.py`

Expected output (Assuming foo(5) was called):

```
Foo says: 15
Bar sees: 15
You've reached secret()!
# whoami
root
#
```

```
PARAM = 1048832 + <Your ID % 10> * 256
SZ1 = 600 + <Last 3 digits of your ID> * 10
SZ2 = 100 + <Last 3 digits of your ID> * 5
```

Use the following link to create assemble the instructions into raw hex:
https://defuse.ca/online-x86-assembler.htm#disassembly