

Princeton University

COS 217: Introduction to Programming Systems

Linker Output for hello via gdb

```
$ gcc -o hello hello.o
```

```
$ gdb hello
```

```
(gdb) x/9i main
0x8048328 <main>:      push   %ebp
0x8048329 <main+1>:      mov    %esp,%ebp
0x804832b <main+3>:      push  $0x80483f0
0x8048330 <main+8>:      call  0x8048268 <printf>
0x8048335 <main+13>:     add   $0x4,%esp
0x8048338 <main+16>:     mov   $0x0,%eax
0x804833d <main+21>:     mov   %ebp,%esp
0x804833f <main+23>:     pop   %ebp
0x8048340 <main+24>:     ret
```

```
(gdb) x/25b main
0x8048328 <main>:      0x55      0x89      0xe5      0x68      0xf0      0x83      0x04      0x08
0x8048330 <main+8>:      0xe8      0x33      0xff      0xff      0xff      0x83      0xc4      0x04
0x8048338 <main+16>:     0xb8      0x00      0x00      0x00      0x00      0x89      0xec      0x5d
0x8048340 <main+24>:     0xc3
```

```
(gdb) quit
```