Princeton University
COS 217: Introduction to Programming Systems
Assembler and Linker Output for hello.S via gdb

```
--> gcc -c -o hello.o hello.S

--> gdb hello.o

GNU gdb 4.17
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This GDB was configured as "sparc-sun-solaris2.6"...(no debugging symbols found)...

(gdb) x/8i main
0x0 <main>:     save  %sp, -96, %sp
0x4 <main+4>:   sethi  %hi(0), %o0
0x8 <main+8>:   mov  %o0, %o0    ! 0x0 <main>
0xc <main+12>:  call  0xc <main+12>
0x10 <main+16>: nop
0x14 <main+20>: clr  %i0         ! 0x0 <main>
0x18 <main+24>: ret
0x1c <main+28>: restore

(gdb) x/8x main
0x0 <main>:     0x9de3bfa0     0x11000000     0x90122000     0x40000000
0x10 <main+16>: 0x01000000     0xb0102000     0x81c7e008     0x81e80000

(gdb) quit

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--> gdb hello

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(gdb) x/8i main
0x10658 <main>: save  %sp, -96, %sp
0x1065c <main+4>:       sethi  %hi(0x11000), %o0
0x10660 <main+8>:       or  %o0, 0x1ac, %o0     ! 0x111ac <pcGreeting>
0x10664 <main+12>:      call  0x213c8 <printf>
0x10668 <main+16>:      nop
0x1066c <main+20>:      clr  %i0         ! 0x0
0x10670 <main+24>:      ret
0x10674 <main+28>:      restore

(gdb) x/8x main
0x10658 <main>: 0x9de3bfa0     0x11000044     0x901221ac     0x40004359
0x10668 <main+16>:      0x01000000     0xb0102000     0x81c7e008     0x81e80000

(gdb) quit

-->
```