```
$ cat 06testpushpop.s
        ## ===========================================================
        ## 06testpushpop.s
        ## ===========================================================

        .section ".text"

        pushl   %eax
        pushl   %ebx
        pushl   %ecx
        pushl   %edx
        pushl   %esi
        pushl   %edi
        pushl   %ebp
        pushl   %esp

        popl    %eax
        popl    %ebx
        popl    %ecx
        popl    %edx
        popl    %esi
        popl    %edi
        popl    %ebp
        popl    %esp
$ assembler -o 06testpushpop.o 06testpushpop.s
$ objdump -d 06testpushpop.o

06testpushpop.o:     file format elf32-i386

Disassembly of section .text:

00000000 <.text>:
   0:   50                      push   %eax
   1:   53                      push   %ebx
   2:   51                      push   %ecx
   3:   52                      push   %edx
   4:   56                      push   %esi
   5:   57                      push   %edi
   6:   55                      push   %ebp
   7:   54                      push   %esp
   8:   58                      pop    %eax
   9:   5b                      pop    %ebx
   a:   59                      pop    %ecx
   b:   5a                      pop    %edx
   c:   5e                      pop    %esi
   d:   5f                      pop    %edi
   e:   5d                      pop    %ebp
   f:   5c                      pop    %esp
```