

```
$ cat 10testjump.s
```

```
## =====  
## 10testjump.s  
## =====  
  
.section ".text"  
  
    cmpl    %eax, %eax  
    cmpl    %eax, %ebx  
    cmpl    %eax, %ecx  
    cmpl    %eax, %edx  
    cmpl    %eax, %esi  
    cmpl    %eax, %edi  
    cmpl    %eax, %ebp  
    cmpl    %eax, %esp  
  
    cmpl    %eax, %eax  
    cmpl    %ebx, %eax  
    cmpl    %ecx, %eax  
    cmpl    %edx, %eax  
    cmpl    %esi, %eax  
    cmpl    %edi, %eax  
    cmpl    %ebp, %eax  
    cmpl    %esp, %eax  
  
    jmp     somelabel  
    je      somelabel  
    jne     somelabel  
    jl      somelabel  
    jle     somelabel  
    jg      somelabel  
    jge     somelabel
```

```
$ assembler -o 10testjump.o 10testjump.s
```

```
$ objdump -d 10testjump.o
```

```
10testjump.o:          file format elf32-i386
```

```
Disassembly of section .text:
```

```
00000000 <.text>:  
0: 39 c0          cmp     %eax,%eax  
2: 39 c3          cmp     %eax,%ebx  
4: 39 c1          cmp     %eax,%ecx  
6: 39 c2          cmp     %eax,%edx  
8: 39 c6          cmp     %eax,%esi  
a: 39 c7          cmp     %eax,%edi  
c: 39 c5          cmp     %eax,%ebp  
e: 39 c4          cmp     %eax,%esp  
10: 39 c0          cmp     %eax,%eax  
12: 39 d8          cmp     %ebx,%eax  
14: 39 c8          cmp     %ecx,%eax  
16: 39 d0          cmp     %edx,%eax  
18: 39 f0          cmp     %esi,%eax  
1a: 39 f8          cmp     %edi,%eax  
1c: 39 e8          cmp     %ebp,%eax  
1e: 39 e0          cmp     %esp,%eax  
20: e9 fc ff ff ff jmp     0x21  
25: 0f 84 fc ff ff ff je      0x27  
2b: 0f 85 fc ff ff ff jne     0x2d  
31: 0f 8c fc ff ff ff jl      0x33  
37: 0f 8e fc ff ff ff jle     0x39  
3d: 0f 8f fc ff ff ff jg      0x3f  
43: 0f 8d fc ff ff ff jge     0x45
```

```
$ readelf -s 10testjump.o
```

```
Symbol table '.symtab' contains 3 entries:
```

Num:	Value	Size	Type	Bind	Vis	Ndx	Name
0:	00000000	0	NOTYPE	LOCAL	DEFAULT	UND	
1:	00000000	0	SECTION	LOCAL	DEFAULT	4	
2:	00000000	0	NOTYPE	GLOBAL	DEFAULT	UND	somelabel

```
$ readelf -r 10testjump.o
```

```
Relocation section '.rel.text' at offset 0xe8 contains 7 entries:
```

Offset	Info	Type	Sym.Value	Sym. Name
00000021	00000202	R_386_PC32	00000000	somelabel
00000027	00000202	R_386_PC32	00000000	somelabel
0000002d	00000202	R_386_PC32	00000000	somelabel
00000033	00000202	R_386_PC32	00000000	somelabel
00000039	00000202	R_386_PC32	00000000	somelabel
0000003f	00000202	R_386_PC32	00000000	somelabel
00000045	00000202	R_386_PC32	00000000	somelabel