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9:
10: #ident "@(#)libelf:common/getscn.c 1.10"
11:
12:
13: #ifdef __STDC__
14: #pragma weak elf_getscn = _elf_getscn
15: #endif
16:
17:
18: #include "syn.h"
19: #include "libelf.h"
20: #include "decl.h"
21: #include "error.h"
22:
23:
24: Elf_Scn *
25: elf_getscn(Elf, index)
26:     register Elf *elf;
27:     register size_t index;
28: {
29:     register Elf_Scn *s;
30:     register size_t j = index;
31:
32:     if (elf == 0)
33:         return 0;
34:     if (elf->ed_hdscn == 0 && _elf_cook(elf) != OK_YES)
35:         return 0;
36:     for (s = elf->ed_hdscn; s != 0; s = s->s_next)
37:     {
38:         if (j == 0)
39:         {
40:             if (s->s_index == index)
41:                 return s;
42:             _elf_err = EBUG_SCNLIST;
43:             return 0;
44:         }
45:         --j;
46:     }
47:     _elf_err = EREQ_NDX;
48:     return 0;
49: }

```

```

1: /*
2: getscn.c - implementation of the elf_getscn(3) function.
3: Copyright (C) 1995 Michael Riepe <riepe@ifwsn4.ifw.uni-hannover.de>
4:
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17: Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.
18: */
19:
20: #include <private.h>
21:
22:
23: Elf_Scn*
24: elf_getscn(Elf *elf, size_t index) {
25:     Elf_Scn *scn;
26:
27:     if (!elf) {
28:         return NULL;
29:     }
30:     elf_assert(elf->e_magic == ELF_MAGIC);
31:     if (elf->e_kind != ELF_K_ELF) {
32:         seterr(ERROR_NOTELF);
33:     }
34:     else if (elf->e_ehdr || !_elf_cook(elf)) {
35:         for (scn = elf->e_scn_l; scn; scn = scn->s_link) {
36:             elf_assert(scn->s_magic == SCN_MAGIC);
37:             elf_assert(scn->s_elf == elf);
38:             if (scn->s_index == index) {
39:                 return scn;
40:             }
41:         }
42:         seterr(ERROR_NOSUCHSCN);
43:     }
44:     return NULL;
45: }

```