NAME

elf_next - provide sequential access to the next archive member

LIBRARY

ELF Access Library (libelf, -lelf)

SYNOPSIS

#include <libelf.h>

Elf_Cmd
elf_next(*Elf *elf*);

DESCRIPTION

The **elf_next**() function causes the ELF archive descriptor corresponding to argument *elf* to be adjusted to provide access to the next member in the archive on a subsequent call to **elf_begin**().

The return value of **elf_next**() is suitable for use in a loop invoking **elf_begin**().

RETURN VALUES

If successful, function **elf_next**() returns the value ELF_C_READ. Otherwise, if argument *elf* was not associated with an archive, or if it was NULL, or if any other error occurred, the value ELF_C_NULL is returned.

EXAMPLES

To process all the members of an archive use:

```
Elf_Cmd cmd;
Elf *archive, *e;
...
cmd = ELF_C_READ;
archive = elf_begin(fd, cmd, NULL);
while ((e = elf_begin(fd, cmd, archive)) != (Elf *) 0)
{
        ... process 'e' here ...

        cmd = elf_next(e);
        elf_end(e);
}
elf_end(archive);
```

ERRORS

Function **elf_next**() may fail with the following error:

[ELF_E_ARGUMENT]

        Argument *elf* was not associated with a containing ar(1) archive.

[ELF_E_ARGUMENT]

        An error was encountered while parsing the archive containing argument *elf*.

SEE ALSO

elf(3), elf_begin(3), elf_end(3), elf_rand(3)