

NAME

atoi - convert ASCII string to integer

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

```
#include <stdlib.h>
```

int

```
atoi(const char *nptr);
```

DESCRIPTION

The **atoi()** function converts the initial portion of the string pointed to by *nptr* to *int* representation.

It is equivalent to:

```
(int)strtol(nptr, NULL, 10);
```

The **atoi()** function has been deprecated by **strtol()** and should not be used in new code.

ERRORS

The function **atoi()** need not affect the value of *errno* on an error.

SEE ALSO

atof(3), atol(3), strtod(3), strtol(3), strtoul(3)

STANDARDS

The **atoi()** function conforms to IEEE Std 1003.1-1990 ("POSIX.1"), ISO/IEC 9899:1990 ("ISO C90"), and ISO/IEC 9899:1999 ("ISO C99").

HISTORY

The **atoi()** function appeared in Version 1 AT&T UNIX.