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NAME

ndbm.h – definitions for ndbm database operations

SYNOPSIS

[[XSI]](#) ⊠ #include \<ndbm.h\> ⊠

DESCRIPTION

The *\<ndbm.h\>* header shall define the **datum** type as a structure, which shall include at least the following members:

```
void    *dptr  A pointer to the application's data.
size_t  dsize The size of the object pointed to by dptr.
```

The *\<ndbm.h\>* header shall define the **size_t** type as described in *[\<stddef.h\>](#)*.

The *\<ndbm.h\>* header shall define the **DBM** type.

The *\<ndbm.h\>* header shall define the following symbolic constants as possible values for the *store_mode* argument to *[dbm_store()](#)*:

DBM_INSERT
      Insertion of new entries only.
DBM_REPLACE
      Allow replacing existing entries.

The following shall be declared as functions and may also be defined as macros. Function prototypes shall be provided.

```
int     dbm_clearerr(DBM *);
void    dbm_close(DBM *);
int     dbm_delete(DBM *, datum);
int     dbm_error(DBM *);
datum   dbm_fetch(DBM *, datum);
datum   dbm_firstkey(DBM *);
datum   dbm_nextkey(DBM *);
DBM     *dbm_open(const char *, int, mode_t);
int     dbm_store(DBM *, datum, datum, int);
```

The *\<ndbm.h\>* header shall define the **mode_t** type through **typedef,** as described in *[\<sys/types.h\>](#)*.

The following sections are informative.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

<stddef.h>, *<sys/types.h>*

XSH *dbm_clearerr*

CHANGE HISTORY

First released in Issue 4, Version 2.

Issue 5

References to the definitions of **size_t** and **mode_t** are added to the DESCRIPTION.

Issue 7

This reference page is clarified with respect to macros and symbolic constants.

End of informative text.

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