

NAME

nm - print name list

SYNOPSIS

nm [**-gnoprsuta**] [**file ...**]

DESCRIPTION

Nm prints the name list (symbol table) of each object *file* in the argument list. If an argument is an archive, a listing for each object file in the archive will be produced. If no *file* is given, the symbols in **a.out** are listed.

Each symbol name is preceded by its value (blanks if undefined) and one of the letters **U** (undefined), **A** (absolute), **T** (text segment symbol), **D** (data segment symbol), **B** (bss segment symbol), **R** (register symbol), **F** (file symbol), or **C** (common symbol). If the symbol is local (non-external) the type letter is in lower case. The output is sorted alphabetically.

Options are:

- g** Print only global (external) symbols.
- n** Sort numerically rather than alphabetically.
- o** Prepend file or archive element name to each output line rather than only once. This option can be used to make piping to *grep*(1) more meaningful.
- p** Don't sort; print in symbol-table order.
- r** Sort in reverse order.
- s** Sort according to the size of the external symbol (computed from the difference between the value of the symbol and the value of the symbol with the next highest value). This difference is the value printed. This flag turns on **-g** and **-n** and turns off **-u** and **-p**.
- u** Print only undefined symbols.
- t** Print the namelist including a field that indicated which switchable text area a symbol is in. The following information is printed for each symbol: **NS** (symbol is in a NonSwitchable text area), **S0** (symbol is in Switchable text space 0), (**S1** for space1, **S2** for space2 and **S3** for space3) and ... (not a text symbol).
- a** Sort according to text space. May be used with the **-n** option to sort by address after sorting by text space. This option turns on **-t**.

SEE ALSO

ar(1), **a.out**(5), **ar**(5)