

NAME

end, *etext*, *edata* — last locations in program

SYNOPSIS

```
extern end;  
extern etext;  
extern edata;
```

DESCRIPTION

These names refer neither to routines nor to locations with interesting contents. The address of *etext* is the first address above the program text, *edata* above the initialized data region, and *end* above the uninitialized data region.

When execution begins, the program break coincides with *end*, but the program break may be reset by the routines of *brk(2)*, *malloc(3C)*, standard input/output (*stdio(3S)*), the profile (*-p*) option of *cc(1)*, and so on. Thus, the current value of the program break should be determined by "*sbrk(0)*" (see *brk(2)*).

These symbols are accessible from assembly language if it is remembered that they should be prefixed by `_`.

SEE ALSO

break(2), *malloc(3C)*