Title

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errprintf( ) — Format output and display as error message

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Description

`errprintf()` is a convenience tool for displaying an error message.

`errprintf(...)` is equivalent to `printf(...)` except that it executes `displayas("error")` before the `printf()` is executed; see [M-5] **printf( )** and [M-5] **displayas( )**.

Syntax

void `errprintf(`*string scalar fmt*`,` r_1`,` r_2`, ... ,` r_N`)`

Remarks and examples

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You have written a program. At one point in the code, you have variable `fn` that should contain the name of an existing file:

```
if (!fileexists(fn)) {
      // you wish to display the error message
      // file ____ not found
      exit(601)
}
```

One solution is

```
if (!fileexists(fn)) {
      displayas("error")
      printf("file %s not found\n", fn)
      exit(601)
}
```

Equivalent is

```
if (!fileexists(fn)) {
      errprintf("file %s not found\n", fn)
      exit(601)
}
```

It is important that you either `displayas("error")` before using `printf()` or that you use `errprintf()`, to ensure that your error message is displayed (is not suppressed by a `quietly`) and that it is displayed in red; see [M-5] **displayas( )**.

Conformability

`errprintf(`*fmt*`,` r_1`,` r_2`, ...,` r_N`)`

fmt:	1×1
r_1:	1×1
r_2:	1×1
...	
r_N:	1×1
result:	*void*

Diagnostics

`errprintf()` aborts with error if a *%fmt* is misspecified, if a numeric *%fmt* corresponds to a string result or a string *%fmt* corresponds to a numeric result, or there are too few or too many *%fmts* in *fmt* relative to the number of *results* specified.

Also see

[M-5] **displayas( )** — Set display level

[M-5] **error( )** — Issue error message

[M-5] **printf( )** — Format output

[M-4] **IO** — I/O functions

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