NAME

tempfile - create a temporary file in a safe manner

SYNOPSIS

tempfile [-d DIR] [-p STRING] [-s STRING] [-m MODE] [-n FILE] [--directory=DIR] [--prefix=STRING] [--suffix=STRING] [--mode=MODE] [--name=FILE] [--help] [--version]

DESCRIPTION

tempfile creates a temporary file in a safe manner. It uses tempnam(3) to choose the name and opens it with O_RDWR | O_CREAT | O_EXCL. The filename is printed on standard output. See tempnam(3) for the actual steps involved in directory selection.

The directory in which to create the file might be searched for in this order (but refer to tempnam(3) for authoritative answers):

a) In case the environment variable **TMPDIR** exists and contains the name of an appropriate directory, that is used.

b) Otherwise, if the *--directory* argument is specified and appropriate, it is used.

c) Otherwise, *P_tmpdir* (as defined in *<stdio.h>*) is used when appropriate.

d) Finally an implementation-defined directory *(/tmp)* may be used.

OPTIONS

-d, --directory *DIR*
>   Place the file in DIR.

-m, --mode *MODE*
>   Open the file with MODE instead of 0600.

-n, --name *FILE*
>   Use FILE for the name instead of tempnam(3) The options -d, -p, and -s are ignored if this option is given.

-p, --prefix *STRING*
>   Use up to five letters of STRING to generate the name.

-s, --suffix *STRING*
>   Generate the file with STRING as the suffix.

--help   Print a usage message on standard output and exit successfully.

--version
>   Print version information on standard output and exit successfully.

RETURN VALUES

An exit status of 0 means the temporary file was created successfully. Any other exit status indicates an error.

BUGS

Exclusive creation is not guaranteed when creating files on NFS partitions. tempfile cannot make temporary directories. tempfile is deprecated; you should use mktemp(1) instead.

EXAMPLE

```
#!/bin/sh
#[...]
t=$(tempfile) || exit
trap "rm -f -- '$t'" EXIT
#[...]
rm -f -- "$t"
trap - EXIT
exit
```

SEE ALSO
      tempnam(3), mktemp(1)

      tempnam(3), mktemp(1)