NAME
    mkdep - construct Makefile dependency list

SYNOPSIS
    mkdep [**-ap**] [**-f** *file*] [*flags*] *file* ...

DESCRIPTION
    The **mkdep** utility takes a set of flags for the C compiler and a list of C source files as arguments and constructs a set of include file dependencies which are written into the file ''.depend''. An example of its use in a Makefile might be:

        CFLAGS= -O -I../include
        SRCS= file1.c file2.c

        depend:
                mkdep ${CFLAGS} ${SRCS}

    where the macro SRCS is the list of C source files and the macro CFLAGS is the list of flags for the C compiler.

    The user has the ability to change the preprocessor and preprocessor options used. For instance, to use **cc** as the preprocessor and to ignore system headers, one would use

        depend:
                env MKDEP_CPP="cc -E" MKDEP_CPP_OPTS=-MM mkdep \
                    ${CFLAGS} ${SRCS}

    The options are as follows:

    -a   Append to the output file, so that multiple **mkdep**'s may be run from a single Makefile.

    -f   Write the include file dependencies to *file*, instead of the default ''.depend''.

    -p   Cause **mkdep** to produce dependencies of the form:

            program: program.c

        so that subsequent makes will produce *program* directly from its C module rather than using an intermediate *.o* module. This is useful for programs whose source is contained in a single module.

ENVIRONMENT

    CC   Specifies the C compiler to use. The specified compiler is expected to have options consistent with the GNU C compiler. The default is **cc**.

    MKDEP_CPP   Specifies the preprocessor to use. The default is "${CC} -E".

    MKDEP_CPP_OPTS Specifies the non-CFLAGS options for the preprocessor. The default is "-M".

FILES

    .depend File containing list of dependencies.

SEE ALSO

    cc(1), cpp(1), make(1)

HISTORY

    The **mkdep** command appeared in 4.3BSD-Tahoe.