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//D: CC is a variable that stores the g++ compiler

CC=g++

//D: CFLAGS is a makefile variable to include extra commands to the compilation

* + -I, includes all file in the current directory
  + -Wall, produces warning messages about anything in the code that requires one.
  + -c, this ensures compilation only, excluding linking. Converts the cpp files into object files.

CFLAGS=-I

CFLAGS+=-Wall

CFLAGS+=-c

//D: AR is a variable for the command “ar”. ar creates archive of all .o files.

AR=ar

//D: This complies pidUtil.cpp, and create an executable called pidUtil.o

pidUtil: pidUtil.cpp

$(CC) $(CFLAGS) pidUtil.cpp -o pidUtil.o

//D: This creates a library, and inserts the .o file.

lib: pidUtil.o

$(AR) rcs libPidUtil.a pidUtil.o

//D: This removes all the .o and .a files.

clean:

rm -f \*.o \*.a

//D: This copies the library, and the header file from the current path to the parent path.

install:

cp libPidUtil.a ../.

cp pidUtil.h ../.

//D: all is the default target of the program. When called, this compiles the program (pidUtil lib)

all: pidUtil lib