# The default target should compile and run the program.

# It achieves this be depending on the target runProgram

default: runProgram

# The target runs the Java compiler for RadixSorter.java

# to create RadixSorter.class. Adding the file RadixSorter.java

# makes sure that this target is only run if RadixSorter.java

# was changed since the last compilation or if the RadixSorter.class

# does not exist.

RadixSorter.class: RadixSorter.java

javac RadixSorter.java

# The target runProgram runs the Java program in RadixSorter.class.

# Adding the file RadixSorter.class as a dependency makes sure that

# the compiler is run (through the previous rule) if RadixSorter.class

# does not exist or RadixSorter.java has been changes since the last

# compilation.

runProgram: RadixSorter.class

java RadixSorter

# Add a target to compile and a target to run the test for our program

# in the file SortPrinter.java. Write the target in a way similar

# to the above targets for compiling and running the main program. Make

# sure that you write the targets in a way so that users of the Makefile

# can run the test with the 'make test' command. Also make sure that the

# tests are compiled if necessary (for example, because the class file does

# not exist or has been modified since the last compilation) before they

# are run. Also make sure that the latest version of RadixSorter.class

# exists when the tests are run, since the test class depends on it.

# For this you will have to create a rule with two dependencies. You can

# list those after the target, separated by whitespace. For example, the

# following rule with target \*doit\* has 2 dependencies, \*prepare\* and

# \*maintask\*:

# doit: prepare maintask

# TODO: Add you targets for the RadixSorter class here.

compileTests: SortPrinter.java RadixSorter.class

javac SortPrinter.java

runTest: SortPrinter.class RadixSorter.class

java SortPrinter

test: compileTests runTest

# The target clean removes all of the compiled files for the program.

# For our Java programs, it removes all the \*.class files in the directory.

# Having a clean target is not necessary, but is a general convention for

# Makefiles.

clean:

rm \*.class