

## Steps to create a Makefile:

1. Create a file named 'makefile' in your homework directory and paste the contents in the sample file given below.
2. Modify the CLASSES macro so that it has the names of all your .java files.
3. Run 'make' and it should compile all your java source files that need to be built.

**Note:** Be sure to use tabs and not spaces at the beginning of the rules.

## Sample Makefile:

```
# compiler and compiler flag variables
JFLAGS = -g
JC = javac

# Clear any default targets for building .class files from .java files;
.SUFFIXES: .java .class

# Here is our target entry rule for creating .class files from .java files
.java.class:
    $(JC) $(JFLAGS) $*.java

# modify this macro to include all your .java files
CLASSES = \
    Solver.java \
    Board.java \
    AStar.java \
    AStarHeuristic.java \
    EmptyHeuristic.java \
    ManhattanHeuristic.java \
    HammingHeuristic.java

# the default make target entry
default: classes

# We are replacing the suffix .java of all words in the macro CLASSES
# with the .class suffix
classes: $(CLASSES:.java=.class)

#RM is a predefined macro in make (RM = rm -f)
clean:
    $(RM) *.class
```