```
// utils.h: header file .....
#ifndef ___UTILS_H___
#define UTILS H
void support();
#endif
// utils.cpp: utility functions ......
#include <iostream>
#include "utils.h"
using namespace std;
void support()
 cout << "support\n";</pre>
// program.cpp: simple driver program ......
#include <iostream>
#include "utils.h"
using namespace std;
int main(int argc, char *argv[])
 cout << "program\n";</pre>
 support();
# makefile: version 1
# if target is older than dependencies, execute action
# target: dependencies
# [tab] action
program: utils.h program.cpp utils.cpp
   q++ -q -Wall -o program program.cpp utils.cpp
clean:
   rm -f program
```

```
# makefile: version 2
# macros allow for easy global substitution
CC = \alpha + +
CFLAGS = -q - Wall
program: program.o utils.o
    $(CC) $(CFLAGS) -o program program.o utils.o
program.o: utils.h program.cpp
    $(CC) $(CFLAGS) -c program.cpp
utils.o: utils.h utils.cpp
    $(CC) $(CFLAGS) -c utils.cpp
clean:
    rm -f program *.o
# makefile: version 3
# macro variable substitution: from=to
# suffix rule: .from.to
# automatic variable $0: target
# automatic variable $^: all dependencies
# automatic variable $<: first dependency</pre>
CC = q++
CFLAGS = -q - Wall
HDR = utils.h
BIN = program
SRC = program.cpp utils.cpp
OBJ = \$(SRC:\%.cpp=\%.o)
all: $(BIN)
$(BIN): $(OBJ)
    $(CC) $(CFLAGS) -0 $@ $^
%.o: %.cpp utils.h
    $(CC) $(CFLAGS) -c $<
clean:
    rm -f $(BIN) $(OBJ)
```