

CMSC216 Week9Lab1 (Lab Work)

Last Name:

First Name:

Numeric University ID:

Complete the following task and submit your work to GradeScope

A. Write Makefile (HANDWRITTEN ONLY!!)

Write a Make file that generates a binary file named compiler from the source code files given under the directory Lab1Week9-Work. You must use MACROS CC and CFLAG and give rules to generate the binary and also object files for the .c files in the labwork directory. Do NOT use implicit rules (including pattern rules).

```
CC=gcc
CFLAGS=-g -Wall -ansi -O0 etc.
PROGS=compiler

.PHONY: all clean
all: $(PROGS)
clean: rm *.o $(PROGS)
compiler: compiler.o generator.o preprocessor.o parser.o
$(CC) -o compiler compiler.o generator.o preprocessor.o parser.o
compiler.o: compiler.c preprocessor.h parser.h generator.h
$(CC) $(CFLAGS) -c compiler.c
generator.o: generator.c generator.h
$(CC) $(CFLAGS) -c generator.c
preprocessor.o: preprocessor.c preprocessor.h
$(CC) $(CFLAGS) -c preprocessor.c
parser.o: parser.c parser.h
$(CC) $(CFLAGS) -c parser.c
```