OLQ 1 Review

```
#Donna French 1000074079 Coding Assigment 6
SRC1 = Code6_1000074079.cpp
SRC2 = TrickOrTreater.cpp
SRC3 = House.cpp
SRC4 = CandyHouse.cpp
SRC5 = ToothbrushHouse.cpp
OBJ1 = $(SRC1:.cpp=.o)
OBJ2 = $(SRC2:.cpp=.o)
OBJ3 = $(SRC3:.cpp=.o)
OBJ4 = $(SRC4:.cpp=.o)
OBJ5 = $(SRC5:.cpp=.o)
EXE = $(SRC1:.cpp=.e)

CFLAGS = -g -std=c++11 -pthread

all : $(EXE)

$(EXE): $(OBJ1) $(OBJ2) $(OBJ3) $(OBJ4) $(OBJ5)
        g++ $(CFLAGS) $(OBJ1) $(OBJ2) $(OBJ3) $(OBJ4) $(OBJ5) -o $(EXE)

$(OBJ1) : $(SRC1)
        g++ -c $(CFLAGS) $(SRC1) -o $(OBJ1)

$(OBJ2) : $(SRC2)
        g++ -c $(CFLAGS) $(SRC2) -o $(OBJ2)

$(OBJ3) : $(SRC3)
        g++ -c $(CFLAGS) $(SRC3) -o $(OBJ3)

$(OBJ4) : $(SRC4)
        g++ -c $(CFLAGS) $(SRC4) -o $(OBJ4)

$(OBJ5) : $(SRC5)
        g++ -c $(CFLAGS) $(SRC5) -o $(OBJ5)
```
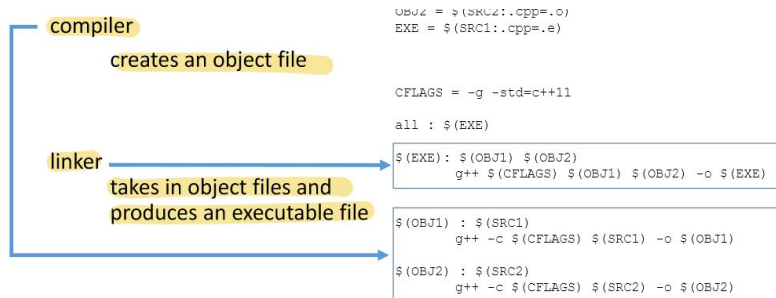

compiler
creates an object file

linker
takes in object files and produces an executable file

```
OBJ2 = $(SRC2:.cpp=.o)
EXE = $(SRC1:.cpp=.e)

CFLAGS = -g -std=c++11

all : $(EXE)

$(EXE): $(OBJ1) $(OBJ2)
        g++ $(CFLAGS) $(OBJ1) $(OBJ2) -o $(EXE)

$(OBJ1) : $(SRC1)
        g++ -c $(CFLAGS) $(SRC1) -o $(OBJ1)

$(OBJ2) : $(SRC2)
        g++ -c $(CFLAGS) $(SRC2) -o $(OBJ2)
```

- Make is UNIX utility that is designed to start execution of a makefile.
- The name of the makefile MUST BE makefile not makefile.txt or anything. When saving it, you should save it as makefile. to prevent the ide from adding any extension.

What is this error?:

```
[frenchdm@omega CA1]$ make        OCQ#1
makefile:4: *** missing separator.  Stop.    ← happens if you use
[frenchdm@omega CA1]$                          spaces instead of tabs
                                               on your makefile
```