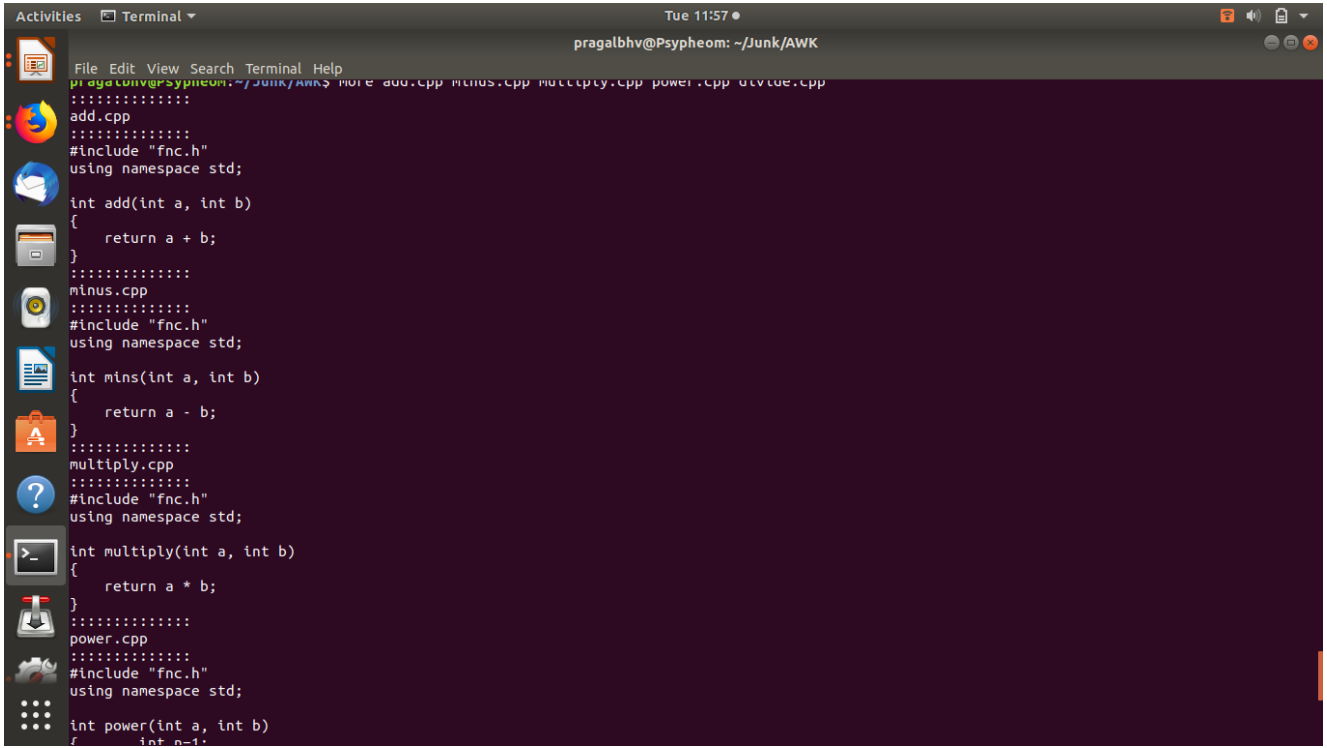
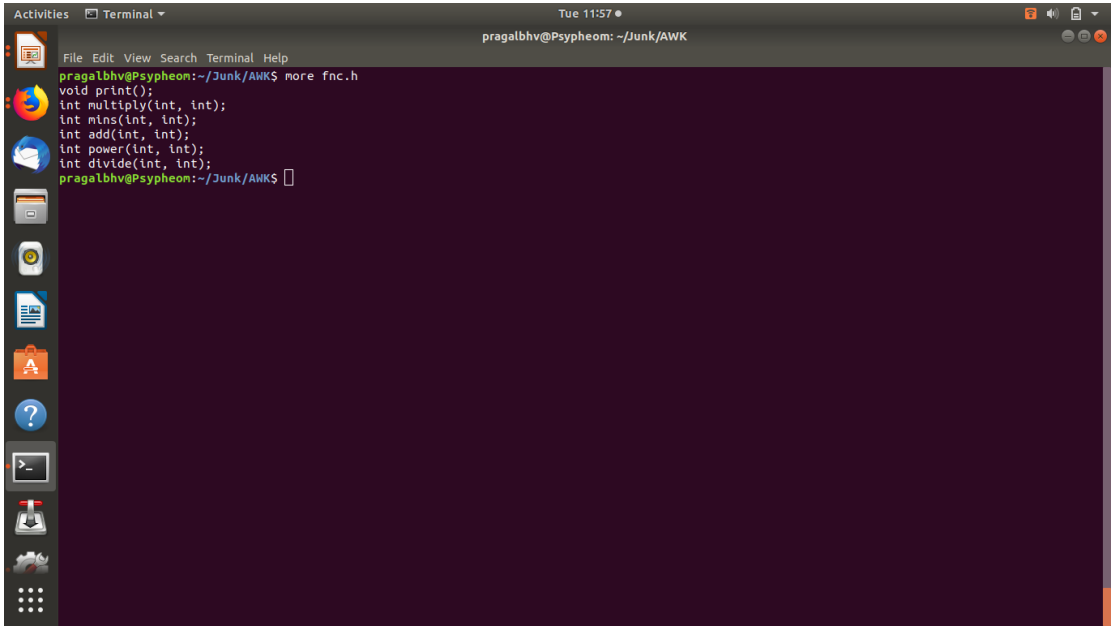
HOMEWORK 5

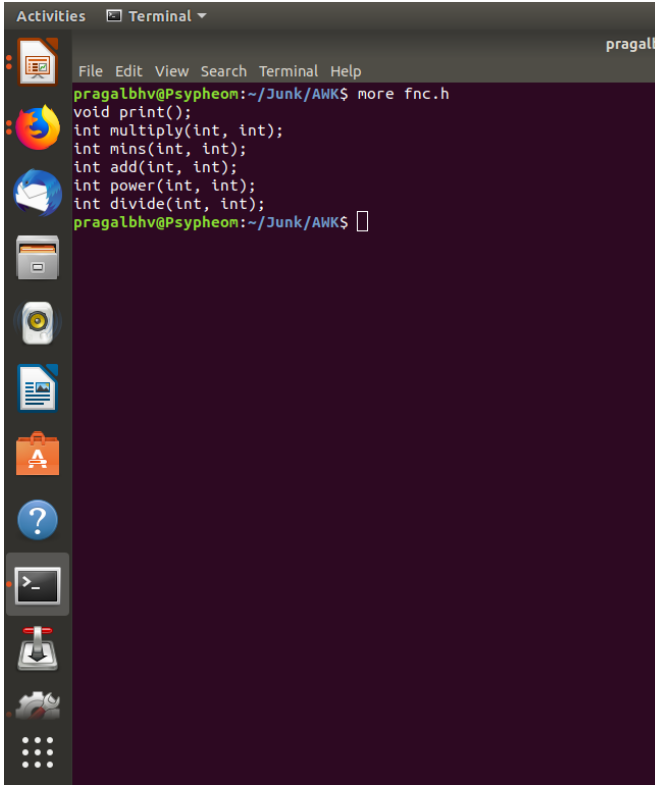
Makefile

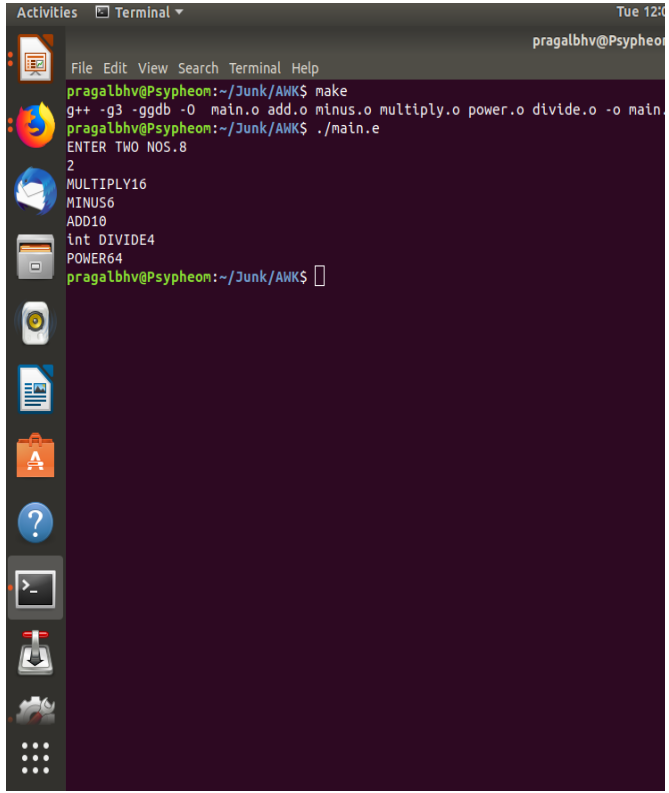
Take one of your old codes, split the code into separate files, one for each function. Create a makefile and test the recompilation

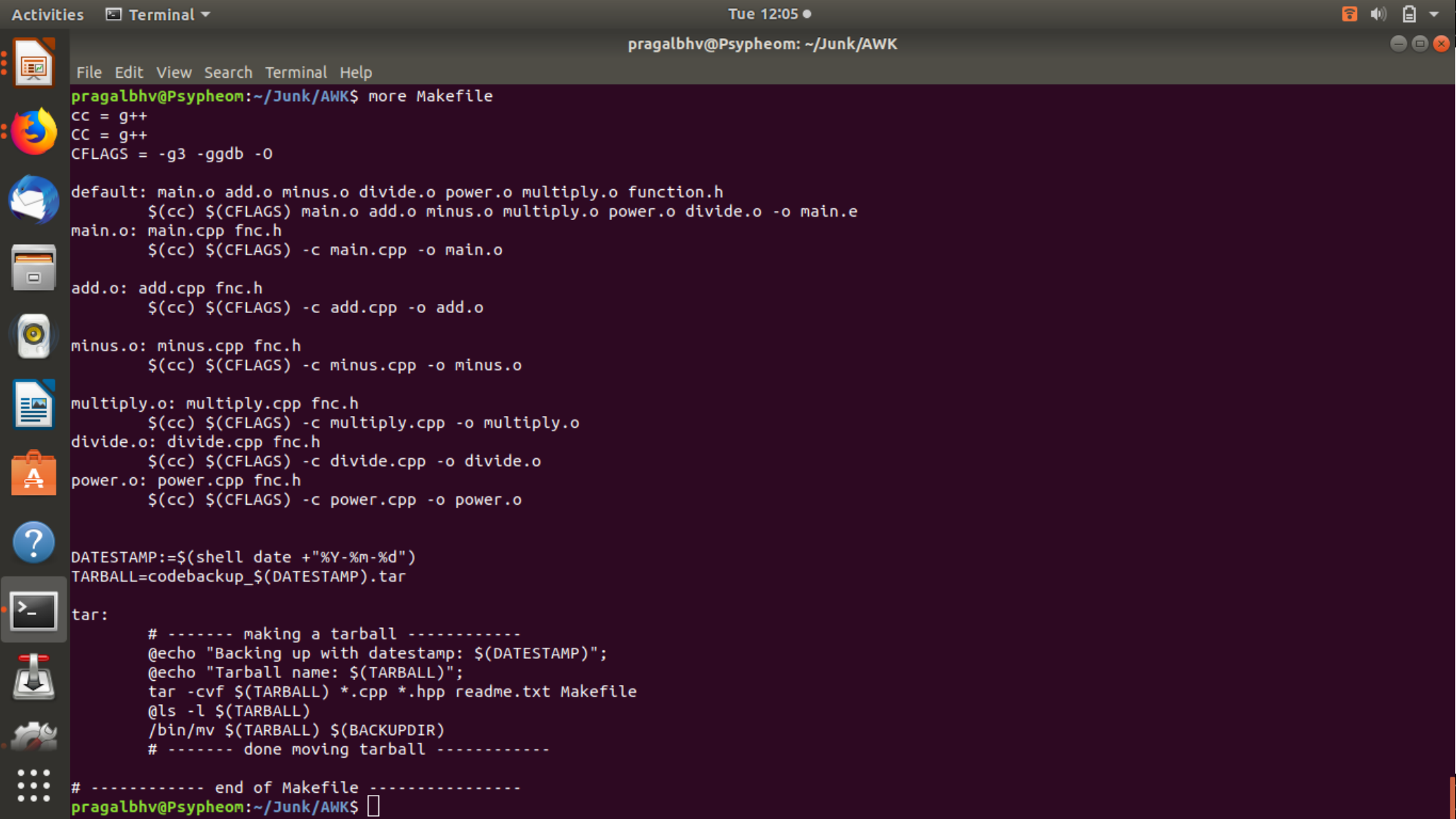


Fnc.h


Activities
Terminal
Tue 11:57
pragalbhv@Psypheom: ~/Junk/AWK
File Edit View Search Terminal Help
pragalbhv@Psypheom:~/Junk/AWK$ more fnc.h
void print();
int multiply(int, int);
int mins(int, int);
int add(int, int);
int power(int, int);
int divide(int, int);
pragalbhv@Psypheom:~/Junk/AWK$


Activities
Terminal
File Edit View Search Terminal Help
pragalbhv@Psypheom:~/Junk/AWK$ more fnc.h
void print();
int multiply(int, int);
int mins(int, int);
int add(int, int);
int power(int, int);
int divide(int, int);
pragalbhv@Psypheom:~/Junk/AWK$


Activities
Terminal
File Edit View Search Terminal Help
pragalbhv@Psypheom:~/Junk/AWK$ make
g++ -g3 -ggdb -O main.o add.o minus.o multiply.o power.o divide.o -o main.
pragalbhv@Psypheom:~/Junk/AWK$ ./main.e
ENTER TWO NOS.8
2
MULTIPLY16
MINUS6
ADD10
int DIVIDE4
POWER64
pragalbhv@Psypheom:~/Junk/AWK$


Activities
Terminal
Tue 12:05
pragalbhv@Psypheom: ~/Junk/AWK
File Edit View Search Terminal Help
pragalbhv@Psypheom:~/Junk/AWK$ more Makefile
cc = g++
CC = g++
CFLAGS = -g3 -ggdb -O
default: main.o add.o minus.o divide.o power.o multiply.o function.h
$(cc) $(CFLAGS) main.o add.o minus.o multiply.o power.o divide.o -o main.e
main.o: main.cpp fnc.h
$(cc) $(CFLAGS) -c main.cpp -o main.o
add.o: add.cpp fnc.h
$(cc) $(CFLAGS) -c add.cpp -o add.o
minus.o: minus.cpp fnc.h
$(cc) $(CFLAGS) -c minus.cpp -o minus.o
multiply.o: multiply.cpp fnc.h
$(cc) $(CFLAGS) -c multiply.cpp -o multiply.o
divide.o: divide.cpp fnc.h
$(cc) $(CFLAGS) -c divide.cpp -o divide.o
power.o: power.cpp fnc.h
$(cc) $(CFLAGS) -c power.cpp -o power.o
DATESTAMP:=$(shell date +"%Y-%m-%d")
TARBALL=codebackup_$(DATESTAMP).tar
tar:
------- making a tarball ------------
@echo "Backing up with datestamp: $(DATESTAMP)";
@echo "Tarball name: $(TARBALL)";
tar -cvf $(TARBALL) *.cpp *.hpp readme.txt Makefile
@ls -l $(TARBALL)
/bin/mv $(TARBALL) $(BACKUPDIR)
------- done moving tarball ------------
------------ end of Makefile ---------------
pragalbhv@Psypheom:~/Junk/AWK$

Create a makefile that uses a pattern for files rather than explicit listing of each of the files.