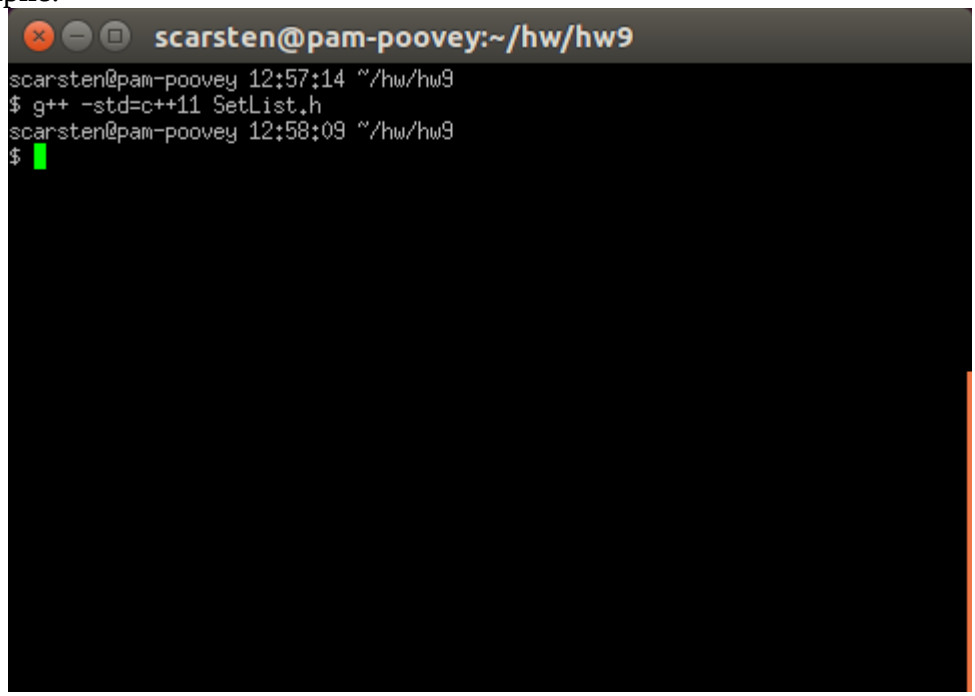
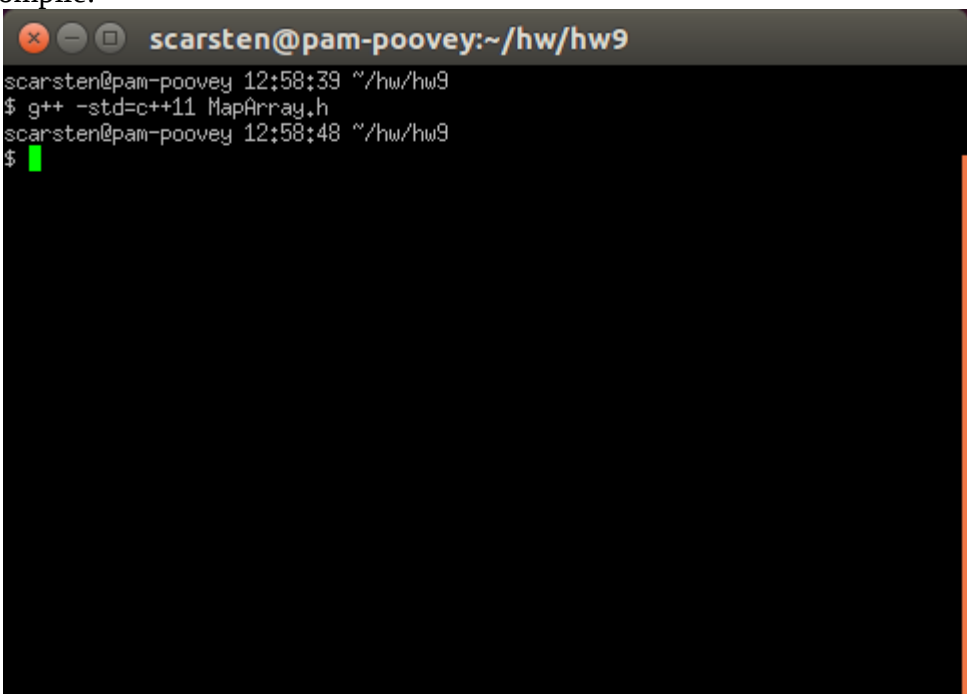
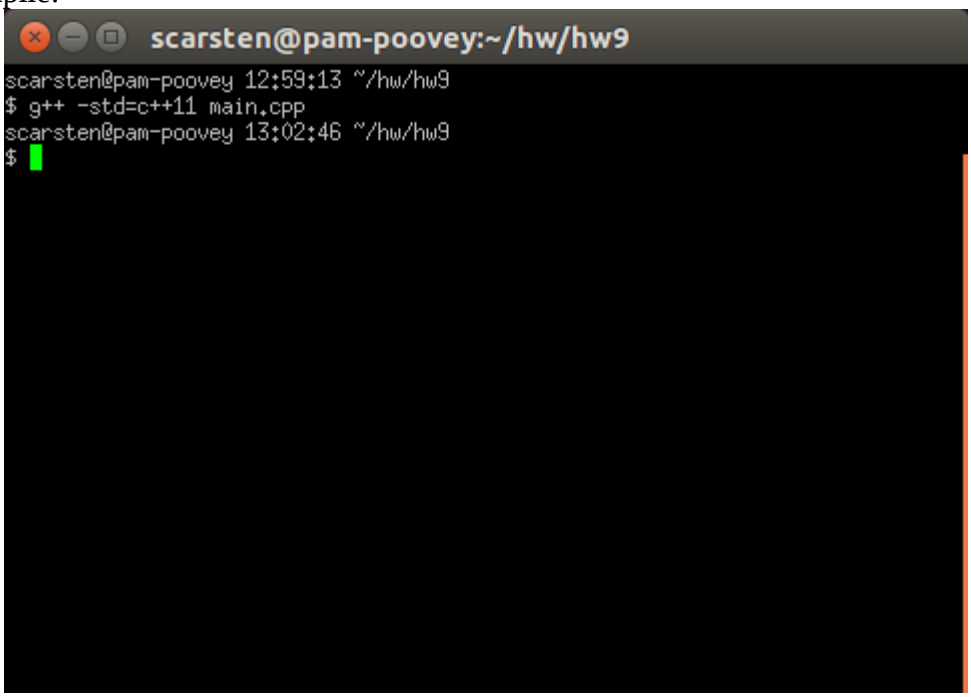
Hw9 Report
SetList.h compile:



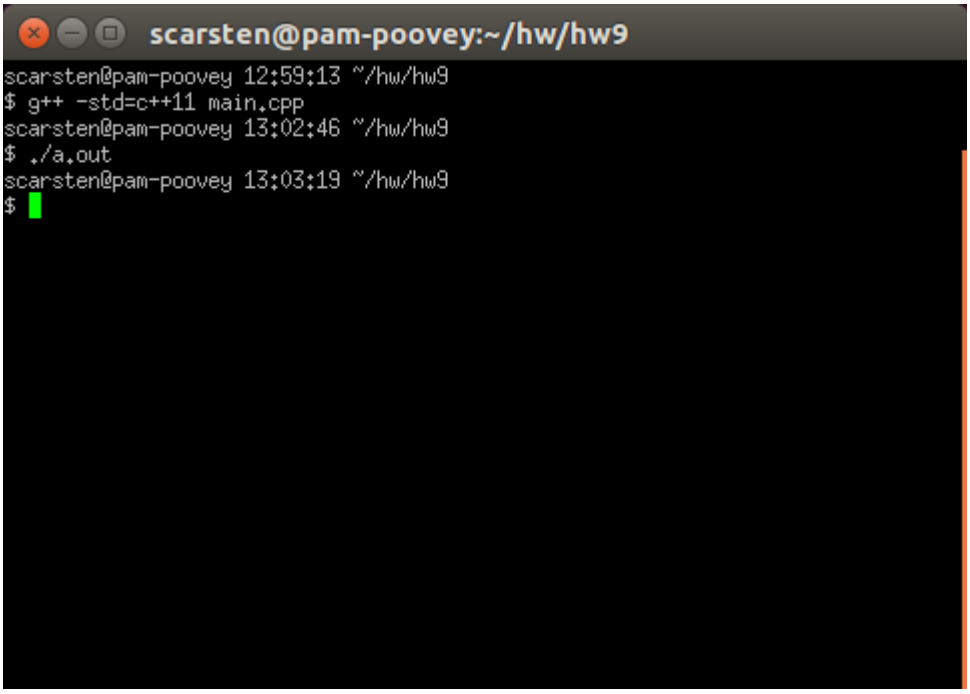
MapArray.h compile:



main.cpp compile:



main.cpp run:



frequency.txt file:

abacus	1
abbreviations	1
abstract	2
abstracted	2
abstraction	1
accredited	1
acknowledges	1
act	1
action	1
actionscript	1
activities	1
actual	1
ad	1
ada	1
adacore	1
adaptations	1
add	1
addition	1
addresses	1
adopted	1
affects	1
air	1
al-jazari	1
algebra	1
algorithms	4
allow	1
allowed	5
allows	1
along	1
also	2
although	1
analogous	1
analysis	1
analytical	2
ancient	2
another	1
antikythera	1
application	2
applications	2
architecture	1
areas	2
arithmetic	1
around	2
art	1
artifacts	1
assembly	6
automata	1
automate	1

babbage 1
basic 1
bc 2
became 2
become 1
becoming 1
beginning 1
bernoulli 1
besides 1
beyond 2
binary 1
build 1
building 1
built 1
c 3
calculate 1
calculating 1
calculation 1
calculations 2
calculator 1
calculators 1
calculus 1
calendars 1
call 1
called 1
cams 1
card 3
cards 8
career 2
cases 1
certification 1
challenges 1
changes 1
charles 1
china 1
circa 1
clearance 1
cloth 1
cobol 1
code 6
coding 2
cognitive 1
combines 1
commercial 1
commonly 1
community 1
company 1
compiler 1
complicated 1

computation 1
computational 1
compute 1
computer 11
computers 3
computing 2
conceive 1
conception 1
condition 1
configuration 1
considerably 1
considered 2
consistent 1
consumption 1
control 4
convenient 1
converted 1
core 1
corrections 1
correctness 1
cost 1
countries 3
covers 1
craft 1
crafted 1
created 1
criteria 1
critical 1
cultures 1
cycle 1
data 4
dates 1
debatable 1
debate 3
debugging 1
decisions 1
defined 1
derived 1
design 1
develop 1
developed 7
developing 1
development 5
device 2
devices 2
devising 1
different 10
differs 1
directly 2

discarded	1
discipline	4
domain	1
dozens	1
drive	1
drum	2
drummer	1
due	1
early	1
easier	1
easily	1
easy	1
economic	1
editors	1
efficient	2
efficiently	1
eg	4
elementary	1
elements	1
employed	1
engine	5
engineer	1
engineering	4
engineers	1
enough	1
entered	1
entering	3
entirely	1
entities	1
environments	1
era	2
error	2
europe	1
even	1
every	1
evolvable	2
executable	1
exhaustion	1
existed	1
expertise	1
expressed	1
extent	2
fact	1
faster	1
final	1
find	1
first	4
follow	1
force	1

form 3
formal 1
format 1
forms 1
formula 2
formulation 1
fortran 3
found 1
foundation 2
founded 1
functional 1
fundamental 1
gears 1
general3
generating 1
geometry 1
giant 1
given 1
goal 1
good 1
governmentally 1
greater 1
greece 1
habitual 1
hardware 2
haskell 1
herman 1
high 2
high-level 3
higher 1
history 1
hole 1
holes 1
hollerith 2
however 2
human 2
humans 1
hypothesis 1
ibm 3
idea 1
ie 1
illegal 1
implementation 5
importing 1
impractical 1
include3
including 3
increase 1
increasing 1

increasingly 2
incur 1
india 1
industry 1
inexpensive 1
influences 1
initial 1
input 1
instead 1
institution 1
instruction 2
instructions 7
instruments 2
intent 1
invented 5
invention 1
inventions 1
involves 1
jacquard 3
japan 1
java 1
javascript 1
jobs 1
joseph 1
just 1
keypunch 1
knowledge 1
known 2
kurdish 1
labor 1
language 16
languages 11
larger 1
late 2
later 3
leads 1
leaps 1
learn 1
led 1
less 3
let 1
level 2
levers 1
license 1
licensed 1
licensing 1
likely 1
linguistics 1
list 1

lists 1
little 1
locations 1
logic 1
loom 3
looms 1
lovelace 1
low-level 1
lower 1
lunar-to-solar 1
machine 10
machines 4
made 3
maintaining 1
making 1
management 1
manner 1
many 5
marie 1
mathematician 1
maximum 1
may 2
meant 1
measured 1
mechanical 2
mechanism 2
mechanisms 1
mechanized 1
media 1
medieval 1
medium 1
memory 1
method 1
metonic 1
might 2
model 1
modern 4
mostly 1
much 3
musical 1
mutual 1
name 1
nature 1
necessary 1
need 1
neumann 1
new 1
notation 3
number 2

numbers 2
numerical 2
objective-c 1
objects 1
occasionally 1
often 4
olympiads 1
one 4
oneself 1
ongoing 2
operated 1
operating 1
operation 2
operations 3
opportunities 1
opposed 1
order 1
organize 1
original 2
output 2
outsourcing 1
overhead 1
painstakingly 1
panel 1
panels 1
paper 3
part 1
particular 2
particularly 2
parts 1
pass 1
past 1
pasteboard 1
pattern 2
patterns 3
pegs 1
percussion 1
perfectly 1
perform 1
performing 1
perl 1
phase 1
php 1
physically 1
placed 1
playing 1
plugboard 1
popular 2
possibility 1

postulates	1
power	1
practical	1
practices	1
predetermined	1
prior	1
problem	2
process	6
processing	3
produce	2
producing	1
profession	1
professional	1
professions	1
program	6
programmable	2
programmed	1
programmer	4
programmers	5
programming	24
programs	10
progressed	1
prone	1
punch	1
punched	7
punching	1
purpose	1
python	1
read	1
readable	1
rebuilt	1
record	2
recording	1
referred	1
regarded	1
regulated	1
related	1
relations	1
relatively	1
replace	1
represented	1
representing	2
require	1
required	1
requirements	1
requires	1
reserved	1
resources	1
rhythms	1

ruby 1
s 3
sapirwhorf 1
science 2
scientist 1
security 1
see 1
seemed 1
self-governed 1
sequence 3
sequentially 1
series 1
services 1
sets 2
settled 1
several 1
shortened 1
sizes 1
small 1
smalltalk 1
software 9
solution 1
solving 1
sometimes 1
sorter 1
source 5
speaker 1
speakers 1
special 1
specialized 1
specific 2
specified 1
specify 2
specifying 1
speed 2
spoken 1
sql 1
standardized 1
stands 1
states 2
still 3
storage 1
stored 1
strict 1
subject 1
subjects 1
sumeria 1
surrounding 1
susceptible 1

symbolic 1
symbols 1
synthesis 1
system 2
systems 1
tabulating 1
tabulator 2
takes 1
tape 2
target 1
task 2
tasks 1
technical 1
techniques 1
term 2
terminals 1
terms 2
testing 1
tests 1
text 3
theorized 1
things 1
thought 2
thoughts 1
three 1
thus 2
time 2
total 1
tracked 1
translates 1
translation 1
trials 1
trigger 1
turn 1
two 1
type 1
typically 1
typing 1
underlying 1
understanding 1
unit 2
united 2
upon 1
use 5
used 3
uses 2
using 5
usually 4
utilizing 1

various 2
vary 1
verification 1
visual 1
vital 1
von 1
wage 1
way 1
weaves 1
weaving 1
well 1
whether 1
whole 1
whose 2
widely-used 1
will 1
within 1
without 2
wooden 1
world 3
worlds 1
write 1
writing 3
written 1
wrote 1
x 3
y 1
yield 1