STL(milestones...)

CSV

Table, 2D table

vector<vector<string>>

vector, array(fixed size), list, queue(FCFO),

dequeue(double ended)

general purpose list(push, pop) -> anywhere

STL container for?

place to put things(stack, queue, ...)

resize,

iterators for?

access, travel in the container

integers and pointers why use?

pass to a function(change the value)

point to integer

references

function obj - lamnda vs funciton pointer?

advantages of using smart pointer vs using normal pointer

automatically delete

avoid memory leak

x value vs pr value?

x -> going to die ex. f(9 + 5)

pr -> (pure) r value that is not an x value

ex. f(move(x1)) -> has not been called destructor

exit do?

name of a function. or something

when main exit, before return

how to define lambda?

auto f = [ ] ( ) { . . . };

auto f = [ ] ( int i ) { . . . } ( 99 ); => f ( 99 ); execute directly

if i have a base class

how to make derived class?

class base{

.

.

.

};

class derived : public base {

.

.

.

}; -> If i dont mention public -> private by default

=> i cannot do anything

make a class for a record album?

composition or interitance

album has a set of songs

class track {

vector <string> lyrics;

};

class album : vector<track>(base class) {

size( );

push\_back(Track( ) )

}; // inheritance

class album {

vector <track> tracks;

tracks.size( );

tracks.push\_back(Track( . . . ) )

}; //composition

aggregation?

workshop 10 -> read a file, take a character

write in a new file

fstream . . .(open)

read char by char

xor char by byte

fstream . . .(for output)

xorfile.cpp(practice!!)

ios::ate

streamsize size = i.tellp( );

i.seekp(0);

i.gcount( );

\* no threading for loops on the exam

STL container

print out in three ways

-> how to access stl container(should know three)

fill in the blanks question

\* No reference

what is stl container for

dont make it empty

what does the stl algorithm do( not in detail)