Wednesday, April 21st, 2021

Today:
- writing iterators
- review ex13-1
- ex13-2

slido.com

jhuip01
$\uparrow$
zero

Note: spring break day
tomorrow (Thurs 4/22)

Recap Qs

1) Separate (1) how data is accessed from (2) how data is stored. *internally*

$\Downarrow$

"pointer-like"

2) Pointers can only be used as iterators if data is stored in an array.

3) Essential: $++, *, !=$

   Desirable: $==, ->$ - - - - - - - - - → it -> first

   vs.

   bidirectional   rand. access

   $(* it).first$

   Maybe: $--, +, -$

4) Make the iterator and/or const_iterator types _nested classes_

   MyClass:: iterator

5) begin() /end() $\Big\}$ member functions to return begin/end
   cbegin()/cend() iterator values

not
const
member
functions

(to a function)

6) Passing an instance of your class ^ as a const reference won't
   be very useful unless the class has const_iterator, cbegin(), cend()

✗ copying   ✓ no copying

double f(std::vector < double> vec) { | double f(const std::vector<double>&vec){
   : | :