Announcements

Thursday, April 26, 2018 5:16 PM

- Final Exam Optional
 - May 6th 1:30 PM
 - Reminder from syllabus: Must get a 65% average on your midterms to pass the class.
 - Final exam grade will be used to replace your lowest midterm grade.
 - Can expect similar format to midterms. Probably no CodeRunner.
- Next week
 - Monday finish up performance, STL PQ
 - Wednesday possibly no class... depends on demand
 - Will send out email
- Final project due May 6th by 5 PM
- Today:
 - Finish up performance timing:

Bubble-sort vs heapsort

- Priority Queue from STL library
 - 3 Parameters
 - Overloading the operator()

```
Priority Queue from STL
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 priority queue<int> pq;
 At least one parameter is required: type.
       The other 2 parameters:
        - container: vector is default
        - compare: "less-than" is default
 priority queue<int, vector<int>, compare > pq2;
 compare (a, b) will return TRUE if a is
     considered to go before b. By de Cault,
      a Lb comparison is applied.
  e.g. pud (3)
      push (5)
                                         a 6 2 T
                               a=3
                                            swap (a,6)
                            b= 5
What kind of heap
does default PQ temporte
Create 6
   max-heap
What if we want a min-heap?
                              need to overload compare.
 struct compare
    bool operator()(const int &a,const int &b)
      return a > b;
```