

Friday, 23 February 2018, a few hours before the 15% midterm test

## LAB DEMO 04

A **bit** of this *may* appear in Midterm Test later :O

So although your mind is currently on that 15%,  
please spend a bit of brain energy for this session

# PS1 debrief

- Common mistake(s):
  - TA to compile list of such common mistakes found during (quick) first night grading with help of Mooshak

# C++ STL priority\_queue demo

- constructor
- top, push, pop
- [http://en.cppreference.com/w/cpp/container/priority\\_queue](http://en.cppreference.com/w/cpp/container/priority_queue)
- It is a MAX priority queue by default

# Conversion to Min Priority Queue

- C++ `<priority_queue>` which is a Max PQ can be converted into a Min PQ in two ways
  - Number-only technique
  - Changing the comparison function

# Discussion of UVa 1203

- <https://uva.onlinejudge.org/external/12/1203.pdf>

# Any question for midterm test?

- Open-ended topic
- Your tutor will try to answer on the spot
- All the best 😊
- PS: After midterm test, there will be PS3 (about Priority Queue ADT); we will discuss it during Lab Demo D05; try it yourself over recess week