What do you know about testing?

test driven development
- makes sure software works
- pre/post conditions test
- best practice

document assumptions
- robust
discover bugs early
- there is no 100 testing
- boundary conditions

boundary conditions
- less bugs
- test every scenario
- for every line of code
- important

every outcome
- a lot of tools
- effective
- it’s really important
time consuming
- can be manual or automate
- check boundary conditions
takes a long time
- unit testing
- integration testing

boring
time costly
- black box
- beginning
- very important
- better quality
- 80 percent coverage
Is $x^2$ bigger than 0?

Correct answer!
Is $x+1 > x$?

Correct answer!
Is \((x \times y) / x = y\)?

Correct answer!
Is \( \frac{y}{x} \times x = y \)?
How much time does it take to test all the values for inc(int i) {return i+1} on your laptop?

Correct answer!
Questions?

- Avoid bugs in the code
- Less time to write tests
  Using tools helps
- Testing is important
What do you remember from testing

testing is not as boring
test all the time
have in mind the system
pray that it work
purpose is finding bugs
cover everything
it's important
blame others
testing saves time
java arithmetic suck
start testing early