Generating Test Data for Killing SQL Mutants: A Constraint-based Approach
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Goal: Find # of high paid instructors in each department

Query Written by Programmer
(may omit some departments)

Correct (Intended) Query

Queries validated by running on test data and manually checking results
Test data typically generated manually and/or in query independent way
  - misses errors (cannot differentiate some mutants)
We provide a principled approach to generating data
  - based on creating f.o. constraints from query, and solving them
  - with guarantees of “killing” all mutants in a large class of mutations
  - small number of datasets; each dataset small and intuitive
For the gory details come to talk: (Last day, last show)

http://www.cse.iitb.ac.in/infolab/xdata