MIDTERM POSTMORTEM

MSiA 413
Week 6

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Northwestern | McCORMICK SCHOOL OF ENGINEERING

Announcements

- Don't worry about homework grades
- HW4 is out
  - Due next Thursday
- I'm canceling my OH for next week
  - Nikos will still have OH next Thursday
  - I will still have OH tomorrow
- Plan for today
  - Midterm Solutions
  - Brief review of the last couple of weeks of material today
- Election Day is Tuesday. Remember to vote!

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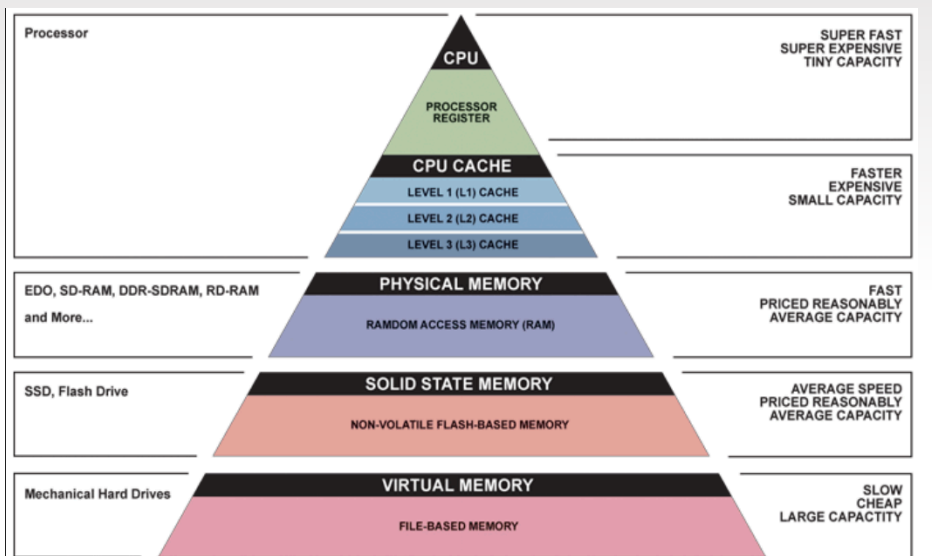
Joins, Unique Keys

Inner Joins
- Have the syntax:
`SELECT * FROM table1 INNER JOIN table2 ON [condition]`
- Creates virtual tables with all the columns from both tables
- Explores the graph of your data model

UNIQUE Keys
- An alternative way to enforce integrity constraints by enforcing uniqueness on non-primary keys
- Makes inner joins with composite keys quicker

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The Storage Hierarchy

Indices

- Binary Search Tree Visualizers
  - https://www.cs.usfca.edu/~galles/visualization/BST.html
- B+ Tree Visualizer
  - https://www.cs.csub.edu/~msarr/visualizations/BPlusTree.html

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