2-25-15 Coder Girl Lecture – Servers and Databases

Client –Server Computing

* Applications run as soon as server is up and running

Data Centers

* Terabyte memory slots

Database Systems

* Oracle, SQL Server, DB2, MySQL (freeware, Facebook runs on it)
* “Relational Database System”

SQL (Structured Query Language) – language used to retrieve and modify data in a database. Standards board defines language and additions. Declarative

Database

* Container for data
* For one or more applications
* Line of business app or reporting system
* Usually accessed through the network or web

Tables (SQL, aka 'Tuples’ for other languages)

DBA

* Install and configure SQL
* Set security
* High availability (making sure they stay running). Eg., failover to run on another server if one fails
* Integrating data between systems
* Build or manage

<http://auntkathisql.com>

* free resources for SQL
* SQLPASS.org

ST Louis SQL server user group

Stlssug.sqlpass.org