Querying Relational Databases Part 1 Notes

Team Treehouse

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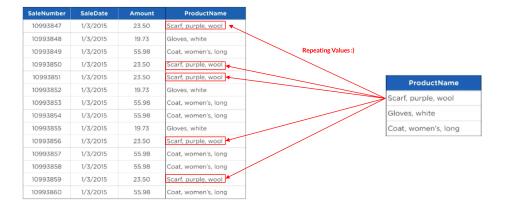# 1 Why We Make Databases "Relational"

- Organizes data into related tables by their context and meaning
- Has benefits
  - Maximizes Storage
  - Better application functionality
  - Clenear, richer data for business reporting

2 Database Normalization

- **Normalization:** Is the process of eliminating redundant or repeating data in a database

3 How Normalization Helps Us

- Drastically reduces the amount of spaces required
  - Old days (And today too!!) $\rightarrow$ is crucial

SaleNumber	SaleDate	Amount	ProductName
10993847	1/3/2015	23.50	Scarf, purple, wool
10993848	1/3/2015	19.73	Gloves, white
10993849	1/3/2015	55.98	Coat, women's, long
10993850	1/3/2015	23.50	Scarf, purple, wool
10993851	1/3/2015	23.50	Scarf, purple, wool
10993852	1/3/2015	19.73	Gloves, white
10993853	1/3/2015	55.98	Coat, women's, long
10993854	1/3/2015	55.98	Coat, women's, long
10993855	1/3/2015	19.73	Gloves, white
10993856	1/3/2015	23.50	Scarf, purple, wool
10993857	1/3/2015	55.98	Coat, women's, long
10993858	1/3/2015	55.98	Coat, women's, long
10993859	1/3/2015	23.50	Scarf, purple, wool
10993860	1/3/2015	55.98	Coat, women's, long

Repeating Values :)

ProductName
Scarf, purple, wool
Gloves, white
Coat, women's, long

- Reduces update time
    - Update affects millions