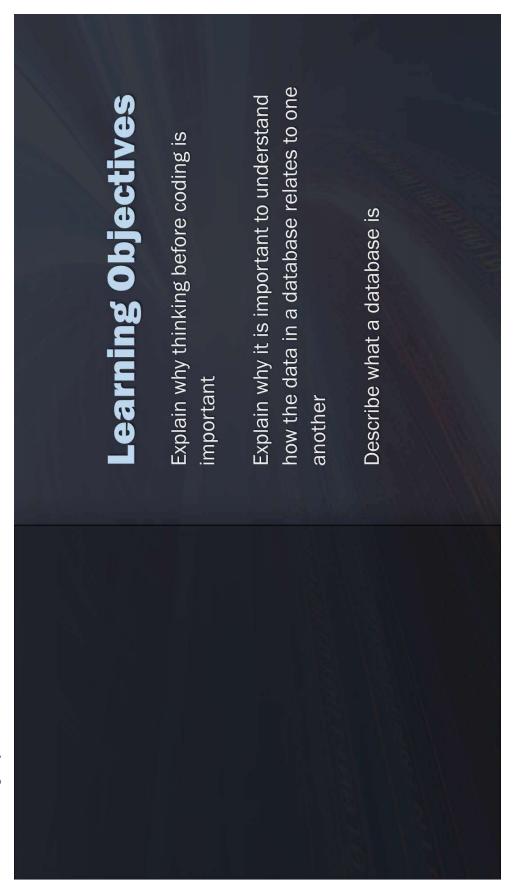
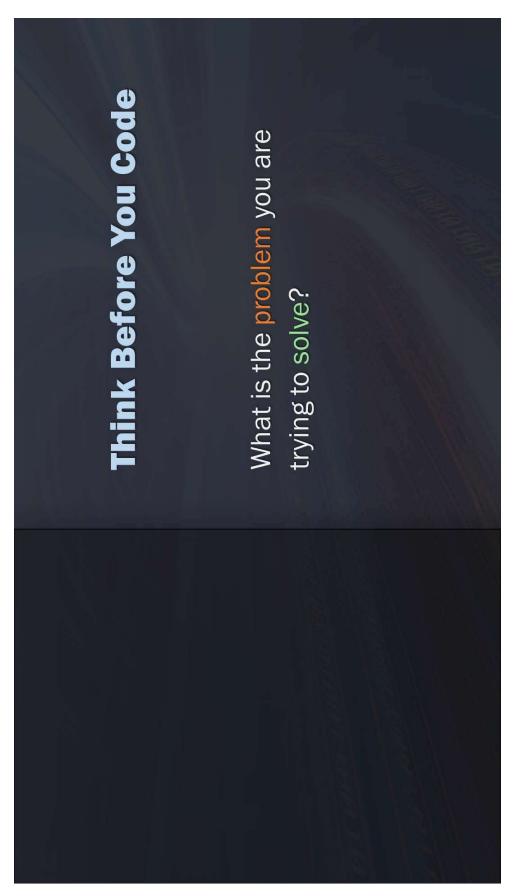
Slide 1: Data Models Part 1: Thinking about Your Data



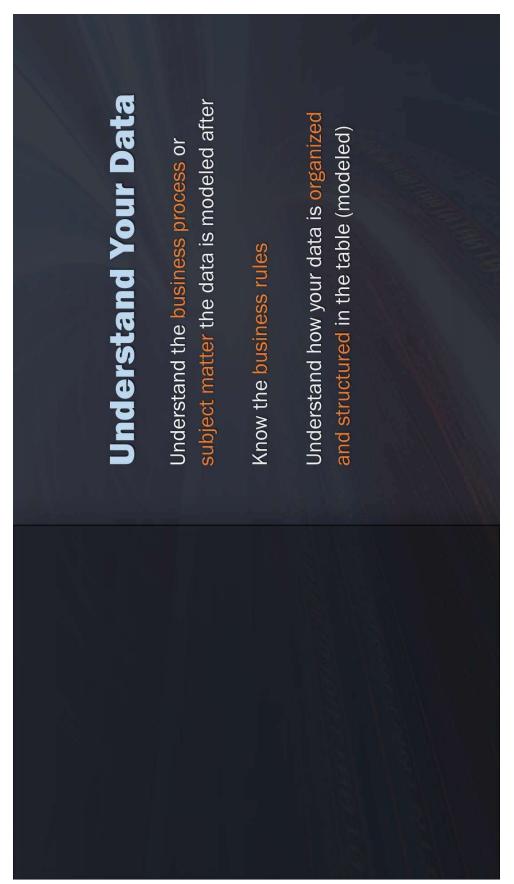
Slide 2: Learning Objectives



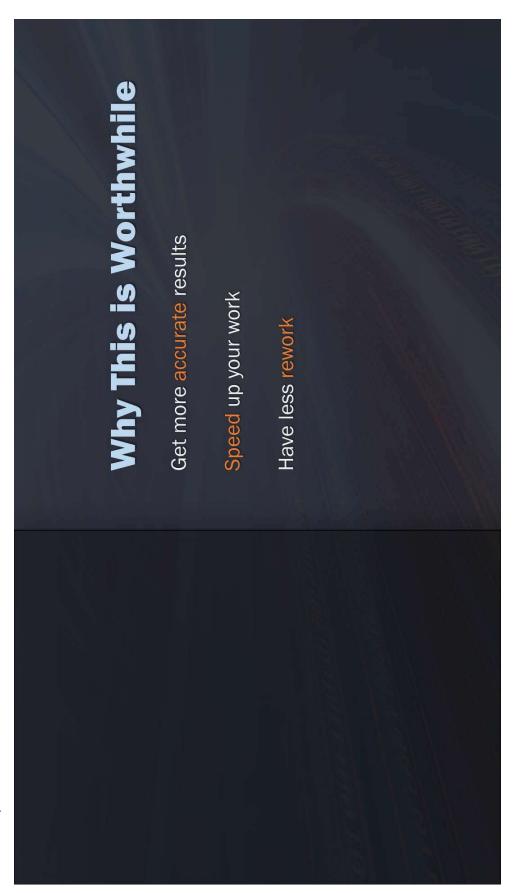
Slide 3: Think Before You Code



Slide 4: Understand Your Data



Slide 5: Why This is Worthwhile



Databases and Tables

Database: A container (usually a file or set of files) to store organized data; a set of related information

Tables: A structured list of data or a specific type





Columns and Rows

Column: A single field in a table - all

Row: A record in a table

tables are made up of one or more

columns

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	name	brand	Price	item_height	item_height item_length item_width item_unit_o item_weight item_unit_of_weight	item_width	item_unit_o	item_weight	item_unit_of	weight
A	PFI-F0314BPY Pfister F-031-4 Pfister	Pfister	129.99	3.8	20.6	12.7	12.7 inches	6.5	6.5 pounds	
KO	PFI-F042HAK0 Pfister Amher Pfister	Pfister	79.99	7.69	4.81	6.56	6.56 inches	3.42	3.42 pounds	
40	PFI-FWK13405 Pfister F-WK1- Pfister	Pfister	119.99	2.5	18.5	10	10 inches	5.12	5.12 pounds	
5	PFI-GT343TCC Pfister GT34-3 Pfister	Pfister	149.99	2.5	18.5	10	10 inches	6.2	6.2 pounds	
×	PFI-MP8LNKK Pfister Langste Pfister	Pfister	66.66	7.67	14.22	7.67	7.67 inches	3.2	spunod	
20	B00B4QEP0U Pfister GT529- Pfister	Pfister	109.99	2.5	18.5	10	inches	3.17	spunod ,	
X	PFI-GT529DCC Pfister GT529- Pfister	Pfister	179.99	2.5	24.5	10.5	10.5 inches	3.17	spunod	
SSC	PFI-GT529DSS Pfister GT529- Pfister	Pfister	114.99	2.5		10.5	inches	3.17	3.17 pounds	
ø	B007LEP02Q Pfister F-031-4 Pfister	Pfister	249.99	4.1	20.6	12.8	inches	6.5	spunod	
3PS	11 PFI-F0314BPS Pfister F-031-4 Pfister	Pfister	144.99	4.1	20.6	12.8	inches	6.5	6.5 pounds	