

Lesson 6: Principles of Data Manipulation and Management

Lesson 7: Relational Algebra

Lesson 8: SQL for Data Science

Lesson 9: Key Principles of Relational Databases

▶ **Video:** Optimization: Physical Query Plans
5 min

▶ **Video:** Optimization: Choosing Physical Plans
4 min

▶ **Video:** Declarative Languages
5 min

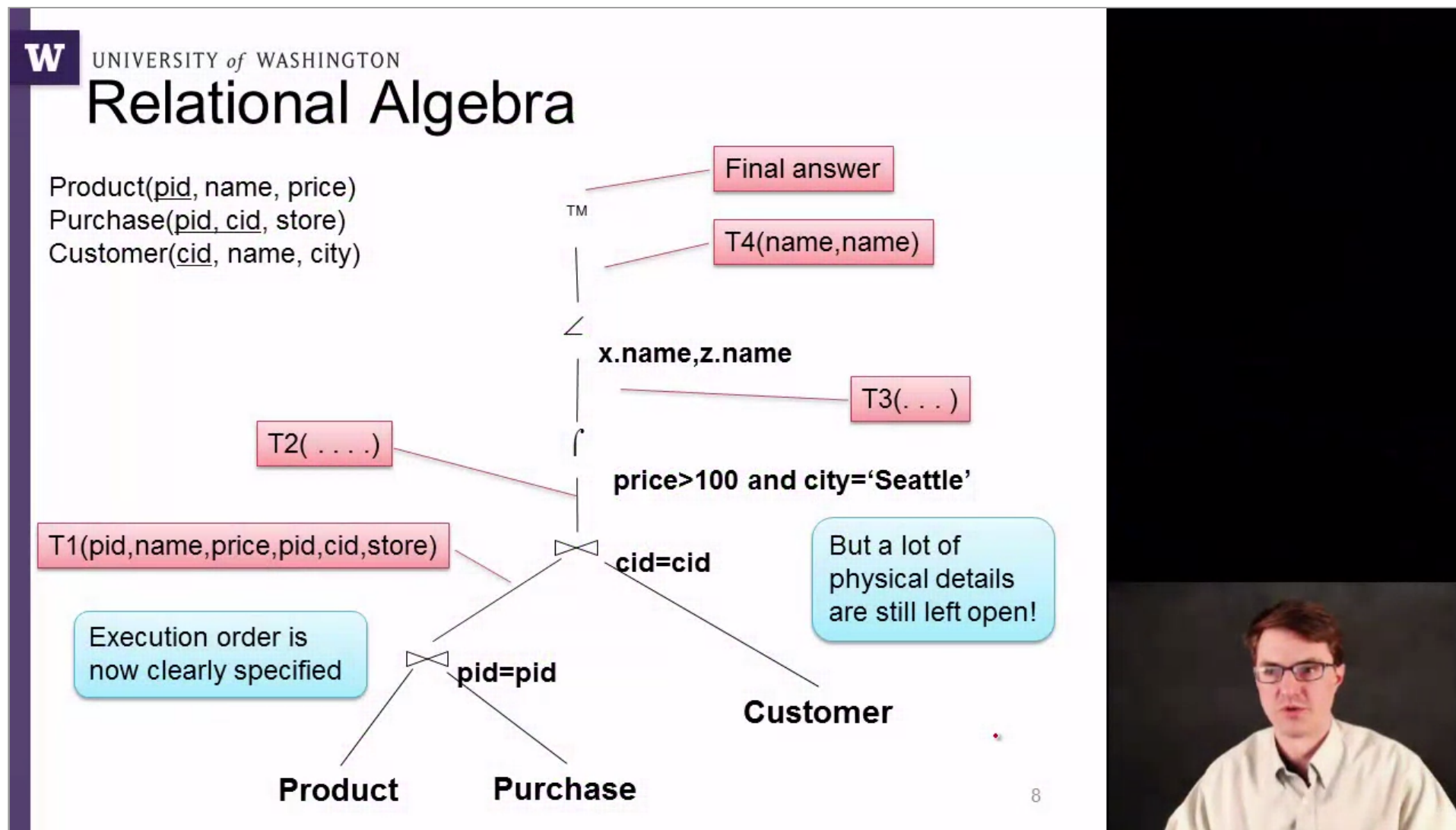
▶ **Video:** Declarative Languages: More Examples
4 min

▶ **Video:** Views: Logical Data Independence
5 min

▶ **Video:** Indexes
6 min

Assignment 2: SQL

Declarative Languages: More Examples



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0:00 [MUSIC] So translating this into Relational Algebra.

0:10 We have this. So at the bottom we have Product and the Purchase. And now we do this join where we say, for every product find me the corresponding records in purchase. Then we do another join for every record in the result of this join, find me corresponding records in Customer.

0:28 Right?

0:31 Now filter out all those records where price is not greater than 100. We only want the ones where