Information Storage and Management

Lecture 3

September 17, 2019

Relational Algebra

- A way of representing the query's operation plan

- A query applies to **relational instances**

Projection π

- Deletes elements not in *distribution* list

Example: $\pi_{sname,rating}(S2)$

Selection σ

- Selects rows that satisfy the *selection condition*

- Result can be used in another operation.

Example: $\sigma_{rating>8}(S2)$

Union $\cup$

- Must have same comlumns

- Returns same amout of columns

Example: $S2 \cup S1 \rightarrow id, name, rating$

See notes for implementation

Joins

- Joins add rows to a table