**Update and Query Operations for Running Example**

Updates:

U1: Populate each of the database tables with a given number of records.

U2: Update the value for one event, based on its current (unique) value on event.

U3: Update values on all events whose current value matches a condition.

U4: Update the value for one company, based on its current (unique) value on event.

U5: Update the value for one event, based on its value on time and venue.

U6: Update values on all events whose values on time and venue match a condition.

U7: Update the value for one event, based on its value on time and company.

U8: Update values on all events whose values on time and company match a condition.

U9: Update the value for one venue, based on its value on time and company.

U10: Update the value on time, based on its value on venue and company.

Queries:

/\* Conjunctive Queries\*/

Q1: Which companies manage which venues

Q2: Which companies have managed an event at at venue "0

/\* Self-join Queries\*/

Q3: Which companies have managed some event at more than one venue

/\* Union of Conjunctive Queries\*/

Q4: List events managed by company "2" at venue "0" or company "5" at venue "5

/\* Queries with Negation \*/

Q5: Which companies have never managed any event at more than one venue?

/\* Universal Queries \*/

Q6: What are the events that are held at all times when company 2 holds some event at venue 0?

/\* Aggregation Queries \*/

Q7: How many times do companies run events?

Q8: How many times do companies run events at the same venue?

Q9: Which companies are the only companies that run all events at some venue?

Q10: Which company has run the most events at the same venue?