

Query Translation and Execution

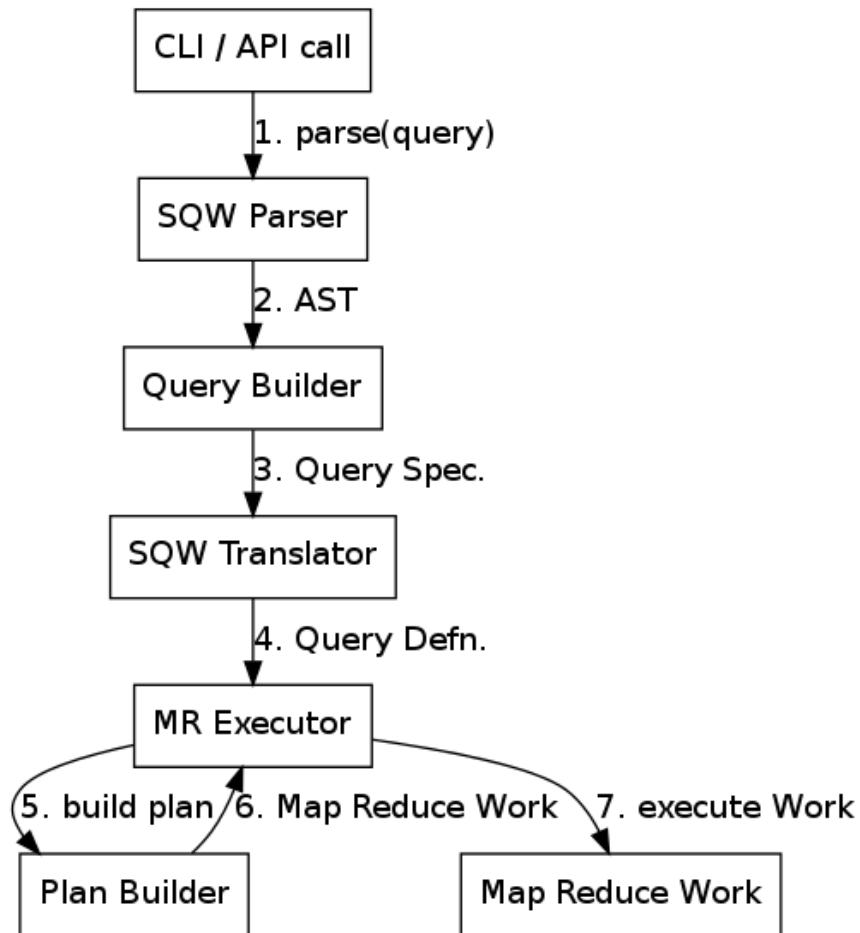
Harish Butani

October 29, 2012

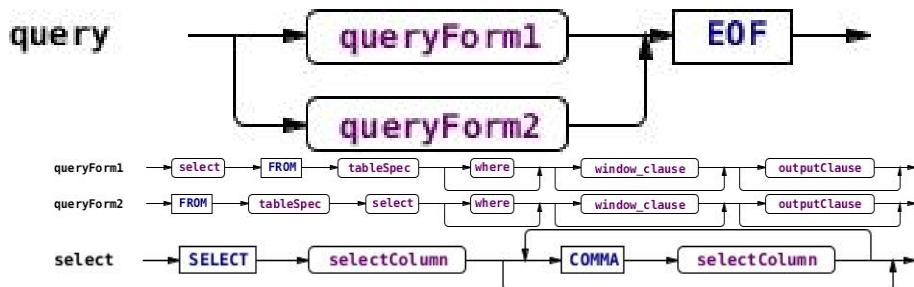
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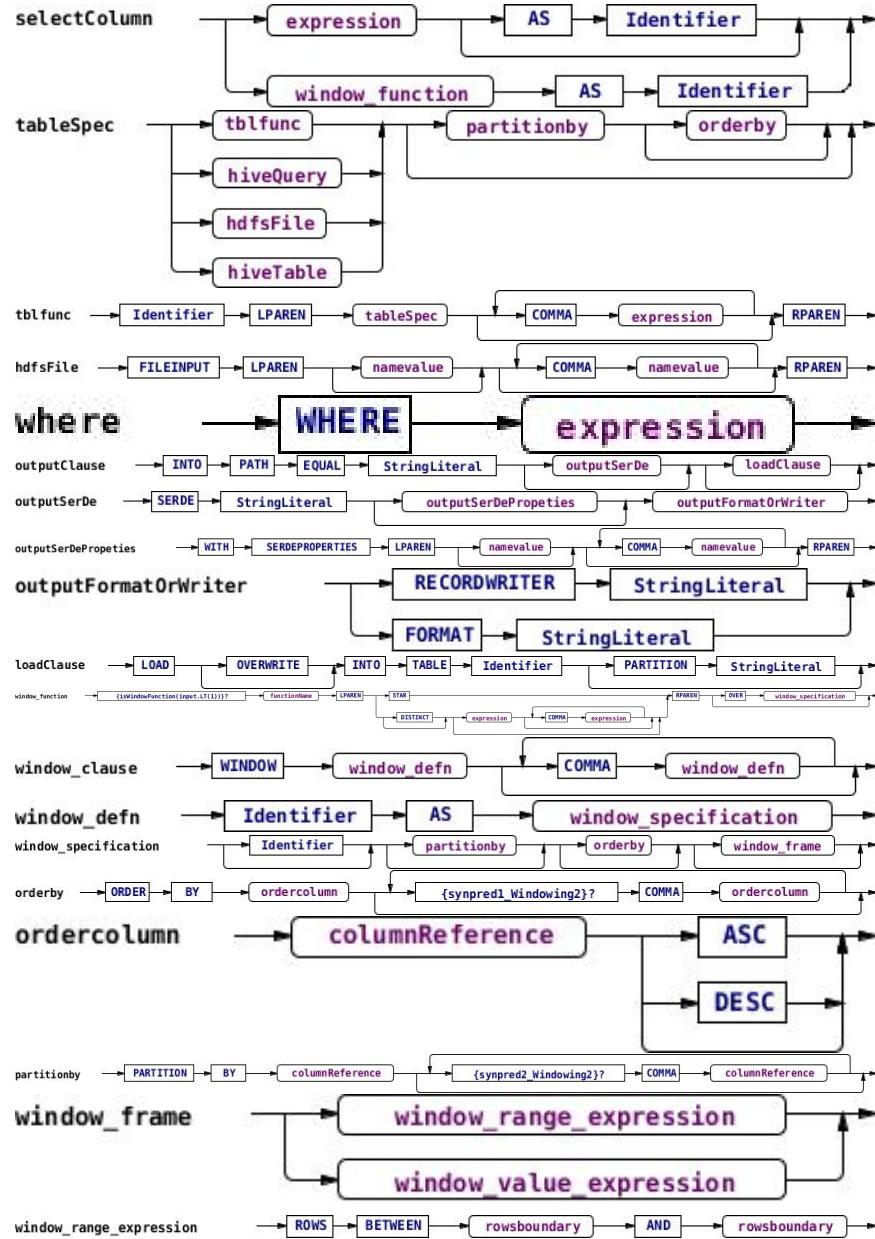
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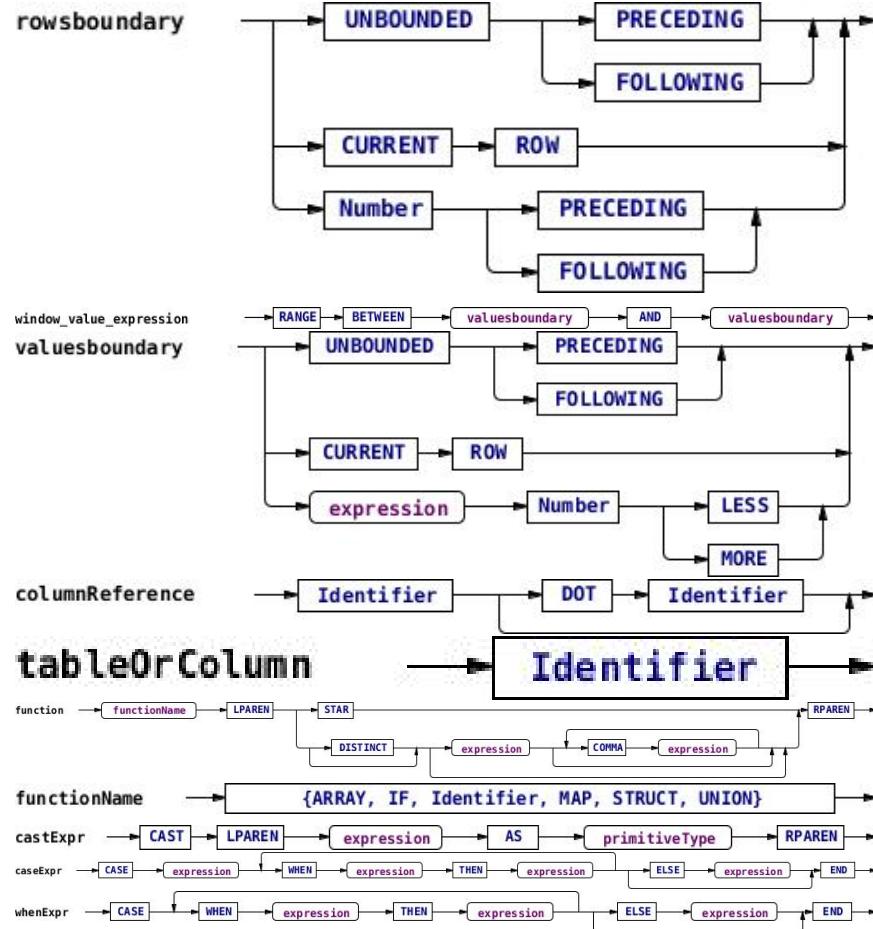
1 Overall process

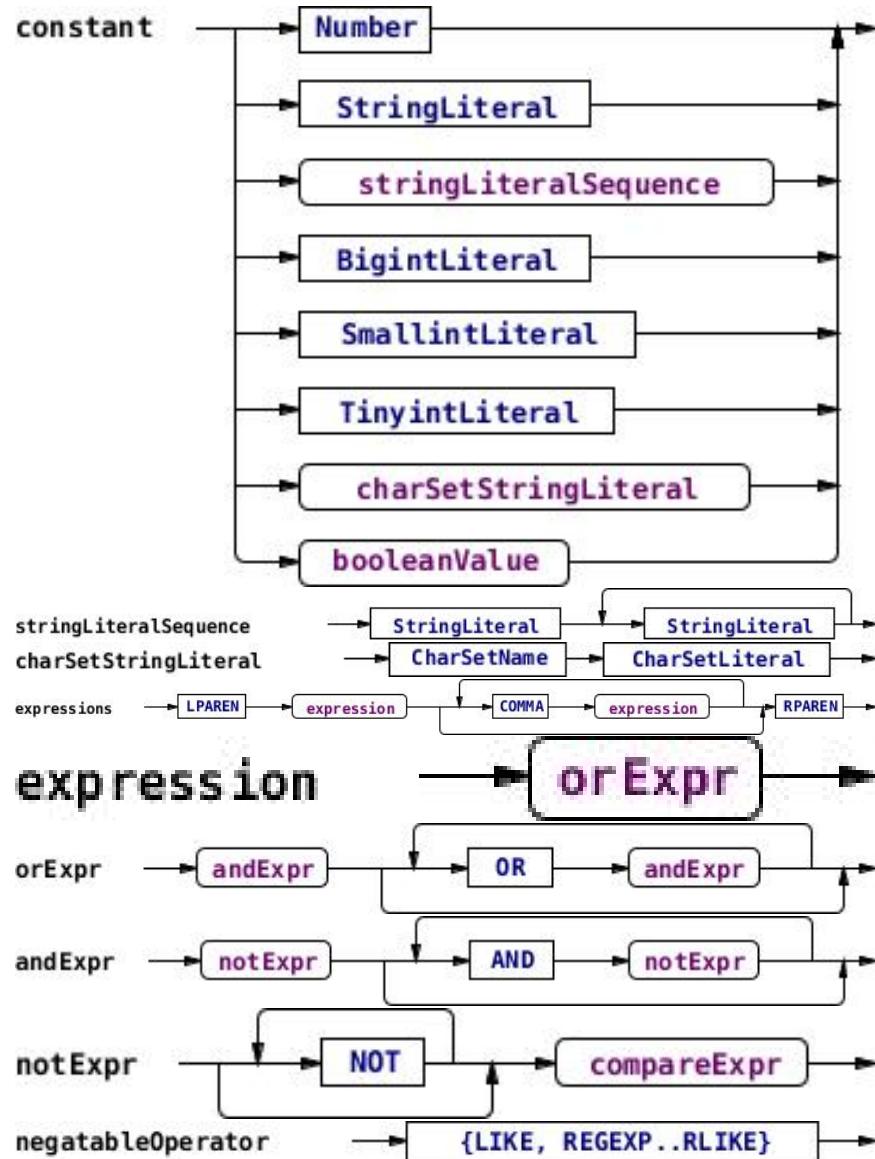


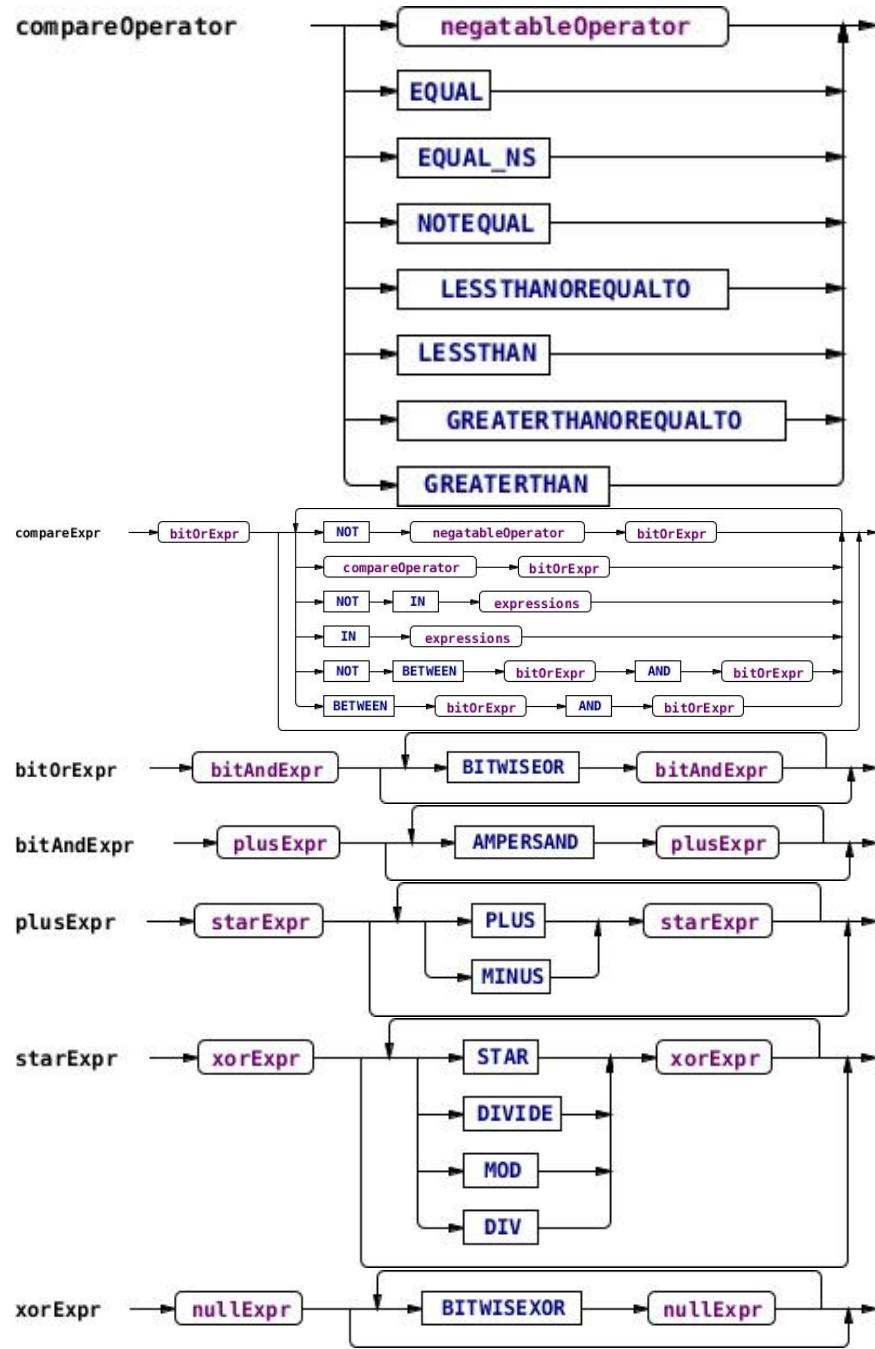
2 The Grammar

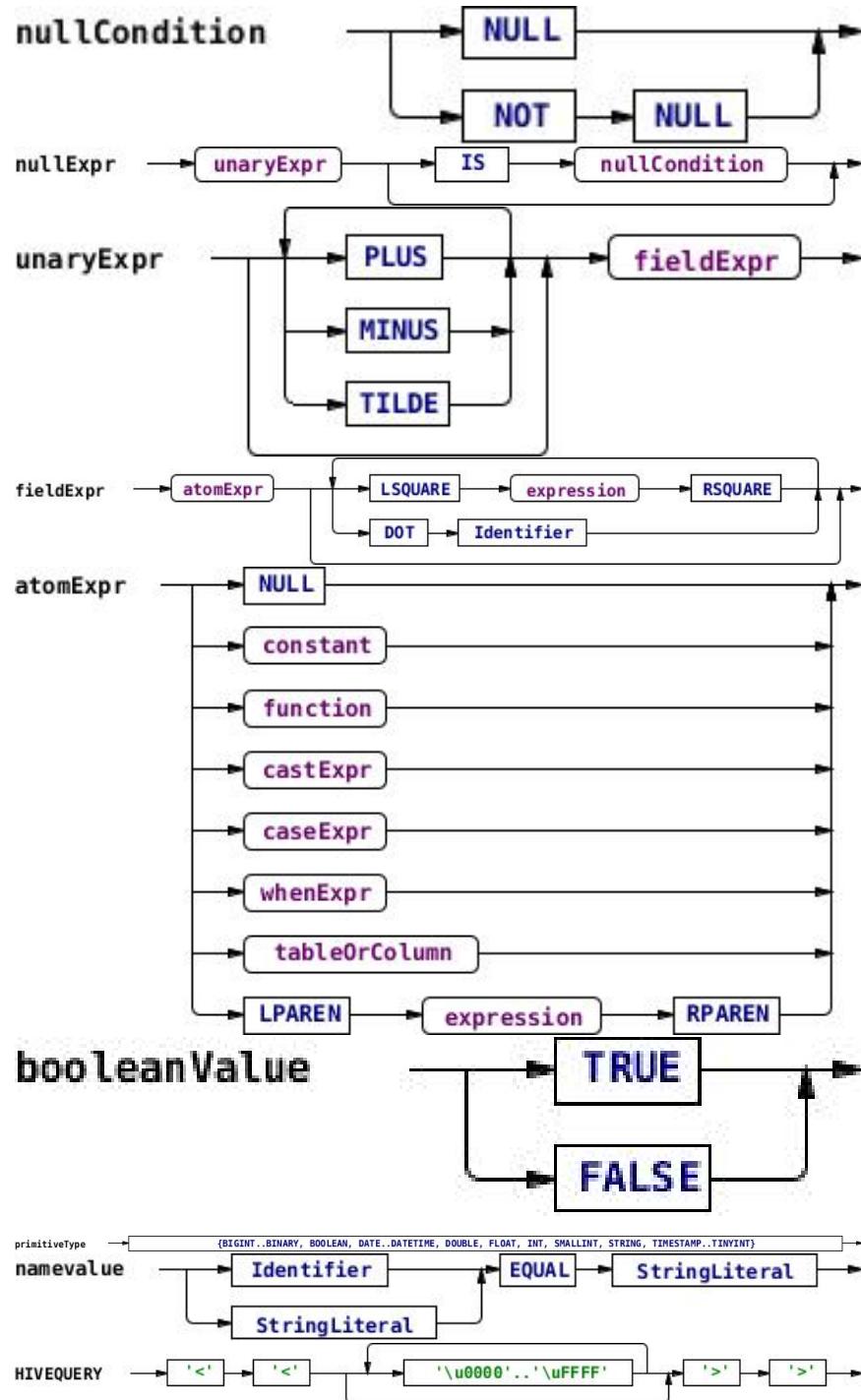


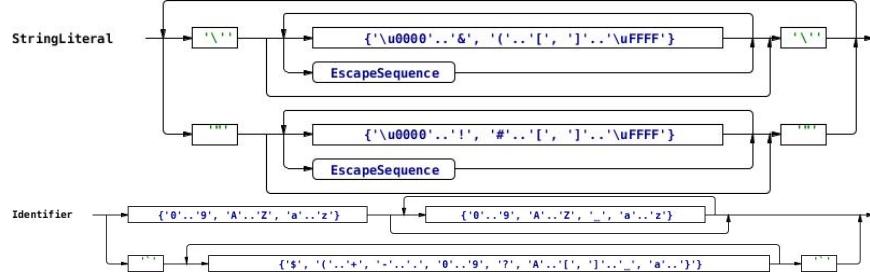




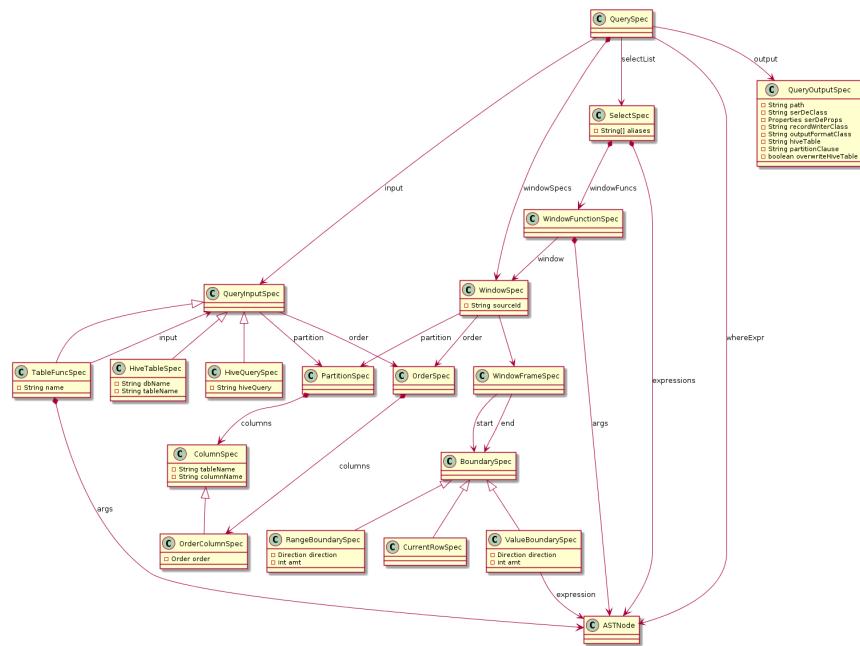




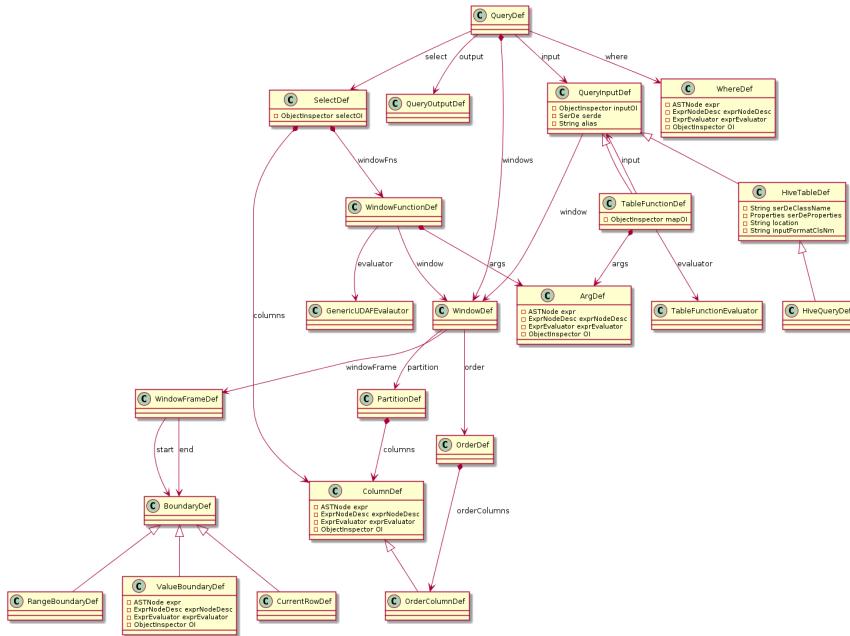




3 Query Specification



4 Query Definition



5 Query Translation

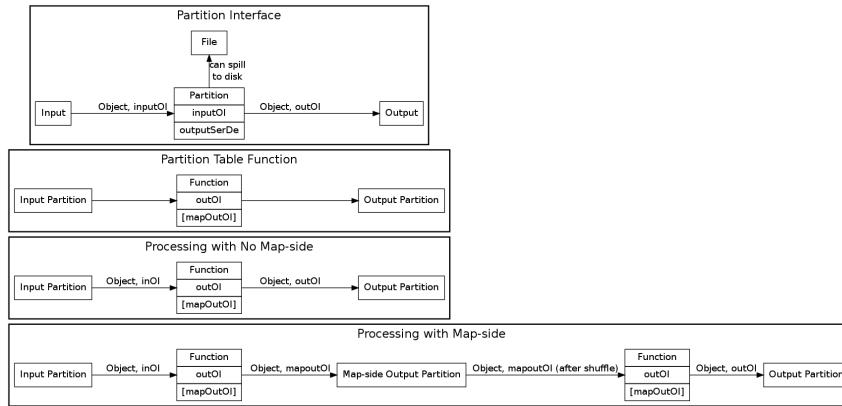
5.1 Function Chain Translation

5.1.1 Window table Function translation

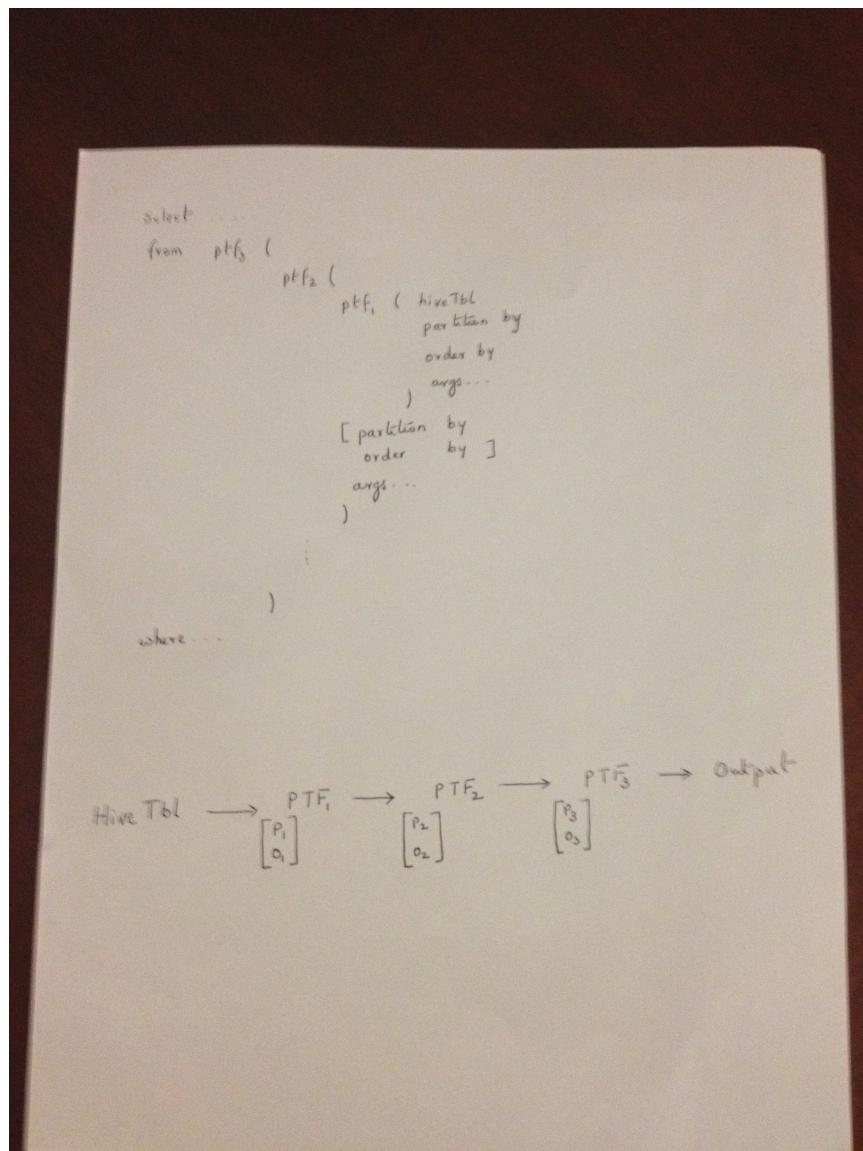
5.1.2 Output translation

6 Query Execution

6.1 Partition and PTF interface



6.2 Logical view of PTF chain



6.3 Window Function processing

