1. virtual RC getNextTuple(void \*data)  
This method should set the output parameter "data" of the next record.  
2. Filter Interface  
This filter class is initialized by an input iterator and a selection condition.  
3. Project Interface  
This project class takes an iterator and a vector of attribute names as input.  
4. Nested-Loop Join Interface  
The NLJoin takes two iterators as input. The "leftIn" iterator works as the outer relation, and the "rightIn" iterator is the inner relation. The "rightIn" is an object of the TableScan Iterator.  
5. Index Nested-Loop Join Interface  
The INLJoin iterator takes two iterators as input. The "leftIn" iterator works as the outer relation, and the "rightIn" iterator is the inner relation.   
6. HashJoin Interface  
The HashJoin takes two iterators as input. The "leftIn" iterator works as the outer relation, and the "rightIn" iterator is the inner relation.  
7. Aggregate Interface  
The basic aggregate method takes an input iterator, an aggregated attribute, and an aggregate function (MIN, MAX, SUM, AVG, COUNT) as the arguments.