

These questions complement class discussion of the paper describing *AQuery*.<sup>1</sup>

1. List the members of your group below. Underline your name.
  
2. How may the *packet-grouping* query of Section 1.1 be written in the standard SQL described in the textbook (no OLAP or other extensions)? Can the query be mapped to a single query? If so, provide the query. If not, explain why and provide the equivalent result using the fewest queries and suitable additional code.

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<sup>1</sup>Alberto Lerner and Dennis Shasha, “AQuery: Query Language for Ordered Data, Optimization Techniques, and Experiments,” in *Proceedings of the 29th International Conference on Very Large Data Bases (VLDB)* (Berlin, Germany, 2003).

3. Recall the plain SQL rendering of the *best-profit* query from the previous exercise and write it below. Provide likely query plans for this query and estimate the query performance by making and listing reasonable assumptions.

4. Repeat Question 4 for the packet-grouping query.

[additional space for answering the earlier question]