Pop Quiz

From input, a sequence of objects of type

struct PurchaseEvent { string user; string product; int purchase_price };

a FlumeJava pipeline computes

- Total money spent by each user (i.e. output is a set of struct{ string user; int sum})
- Total money spent on each product (i.e. output is a set of struct{ string product; int sum})
- 1. How many MapReduce (MSCR) operations will be present in the compiled pipeline?
- 2. Specify the mapper and reducer functions (pseudocode ok) in each of the MSCR operations. (feel free to refer to the FlumeJava paper and the MapReduce paper)