Exercises on E-R modeling

1. Question 1 from IDB trial exam, fall 2003 (page 47 in the collection of exam problems). Explanation of E-R notation in part b): For each Bravo there is at most one Charlie, i.e., in the notation of KBL it would be 0..1 next to Bravo and * next to Charlie.

2. Consider to what extent SQL DDL can be used to make a DBMS maintain the following types of constraints from an E-R model (when translated to relations): General cardinality constraints a..b? Participation constraints? Disjoint Isa?
   The answer can depend on how the translation is performed. If you happen to know about triggers, you should not use them here. If you don’t know about triggers you should also not try to use them. As a side remark, this holds also for firearms.
