

Computer Science 321
Database Systems
Fall 2003

HW 3 Due: October 22, 2003 Total weight: 150 pts.

1. [150pts] Write the following MySQL queries (WARNING: MySQL does not support nested SELECTs at the moment).
 - (a) Find the names and phone numbers of people having reservations to travel in July, 2003.
Hint: the expression `EXTRACT(YEAR_MONTH FROM x)`, where x is a “date” column type (domain) such as `DATETIME`, will return a six-digit integer of the form $yyyymm$, where $yyyy$ is the year and mm is the month.
 - (b) Find all the ways (i.e., train combinations) to go from Hampton to Richmond with exactly one intermediate station. The output should list the train ids and their scheduled times.
 - (c) Find the phone number of any person named Bob who has reserved a seat on a train from Williamsburg to Richmond on July 14, 2003.