Homework 9

Problem 1:

Use the classicmodels database

(1) Find the name and the addresses of all customers in France. The address should be a *single* string obtained with one of the methods for concatenation.
(2) Use a self inner-join on employees to find all pair of office mates. Each pair should be given with a single, complete name and ordered. You should achieve the following result

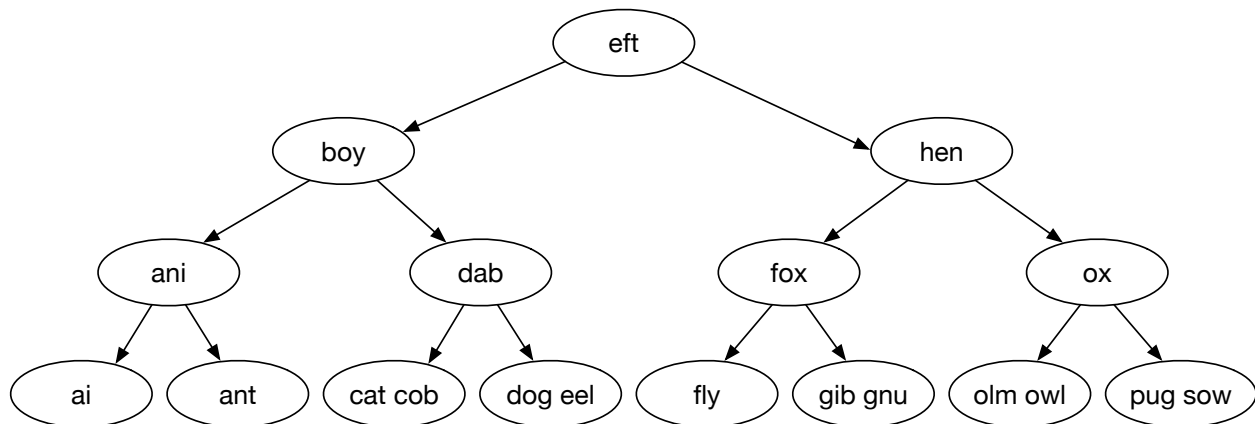| emplone	empltwo
Andy Fixter	William Patterson
Andy Fixter	Peter Marsh
Andy Fixter	Tom King
Anthony Bow	Diane Murphy
Anthony Bow	Mary Patterson
Anthony Bow	Jeff Firrelli
Anthony Bow	Leslie Jennings
Anthony Bow	Leslie Thompson
Barry Jones	Larry Bott
Diane Murphy	Mary Patterson
Diane Murphy	Jeff Firrelli
Diane Murphy	Leslie Jennings
Diane Murphy	Leslie Thompson
Foon Yue Ts...	George Vanauf
Gerard Bondur	Loui Bondur
Gerard Bondur	Gerard Hernand

(3) Find the total sales for 2003 for each of the product lines. This should be the result.

productLine	SalesVolume
Classic Cars	1763136.73
Vintage Cars	854551.85
Trains	96285.53
Ships	337326.10
Planes	471971.46
Motorcycles	527243.84
Trucks and Buses	465390.00

(4) Use MySQLTutorial on ROLLUP to include the total sales in the table.

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Classic Cars	1763136.73
Motorcycles	527243.84
Planes	471971.46
Ships	337326.10
Trains	96285.53
Trucks and Buses	465390.00
Vintage Cars	854551.85
NULL	4515905.51

Problem 2:

(1) Show all the steps to add "doe" to the following B-tree.
(2) Show all the steps of deleting "eft" from the original B-tree. Use the successor method for the swap-step.