

COSI 127b, Introduction to Database Systems
Fall 2015
Problem Set 2
Due: Wed, 9/30 at 3:30 PM

REMINDER: START EACH PROBLEM ON A SEPARATE SHEET OF PAPER

For the following problems, assume the indicated schema from those listed below:

- 1) The “Bank Schema” presented in class (see handout from Lecture 2)
 - 2) The “University Schema” shown in Figure 2.9 on page 48 of your text.
 - 3) The “Employee Schema” shown in Figure 6.22 on page 250 of your text.
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1. Do problem 6.10 (a,b) of the text assuming the “University Schema” making sure to use the join (\bowtie) operation in each of your answers.
 2. Do problem 6.11 c-e of the text assuming the “Employee Schema”. Use operators from both the basic and extended relational algebra in your answers.
 3. Do problem 4.12 of the text
 4. Do problem 4.13 of the text
 5. Do problem 4.16 of the text
 6. Do problem 14.15 of the text