Assignment 4

L245
Searching

Due Thursday, October 10

1. Do question #1 in chapter 4 of the textbook (p. 120).

2. Below is a list of the authors of 7 hypothetical books. So, for example, knight and davis wrote book 4, but crean did not.

   1) knight  
   2) davis  
   3) crean  
   4) knight davis  
   5) knight crean  
   6) davis crean  
   7) knight davis crean

   For each of the following Boolean expressions, write down which author lists match the expression. For example, the Boolean expression davis matches 2, 4, 6, and 7.

   (a) knight
   (b) knight AND NOT crean
   (c) knight OR davis OR crean
   (d) knight AND (davis OR crean)
   (e) (knight AND davis) OR crean

3. Do question #5 in chapter 4 of the textbook (p. 121–122).

4. Do question #7 in chapter 4 of the textbook (p. 122).

5. Do question #10 in chapter 4 of the textbook (p. 123).

6. **Bonus**: Do question #11 in chapter 4 of the textbook (p. 123).