Session 0: Prerequisite Disclaimer Form  
CSCI-585 Monday January 14, 2008  
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You should know the answers to the following questions in order to consider yourself ready to take CSCI-585 in Spring 2008. If you don’t, please consider taking CSCI-485 instead.

1. What is SQL?  
2. What is relational-algebra?  
3. Find SS# and name of all people whose salary is higher than 50k in SQL and relational-algebra, given $PEOPLE(\text{SS#}, \text{name, address, phone, salary})$.  
4. What is a B+-tree?  
5. What is query optimization?  
6. What is a transaction?  
7. What are the ACID properties of a transaction?  
8. What are the five normal forms?  
9. What does “crash-recovery” mean?  
10. What does “concurrency control” mean?  
11. What is Java?  
12. What is a Java application?  
13. Write a “hello world” program in Java as an applet.  
14. How to compile/run a Java application linking with some JAR files.  
15. How to login to a UNIX machine on campus. (or What is telnet or rlogin …)  
16. How to run software and set PATH on a UNIX machine.  
17. How to install a windows program.  
18. How to search for a functionality of a software package in its manual or over Internet.

By signing this document, I confirm that I know the answers to the above questions and I consider myself ready to take CSCI-585.

Your Name:  
Your USC email address:  
Your signature: