

**Computer Engineering Department
Bilkent University**

CS533: Information Retrieval Systems

Assignment No. 4

April 1, 2014

Due date: April 16, 2014; Wednesday

Luck favors the prepared mind.

Pasteur

In this assignment we will cover some of the chapters of the book *The Art of Doing SCIENCE and Engineering: Learning to Learn* by Richard W. Hamming (<https://savage.nps.edu/hamming/BookChapters/>). and a group of papers written by Peter J. Denning (<http://denninginstitute.com/pid/PUBS/CACMcols/>).

Why do we do this exercise: "Doing science and engineering" requires style and this book is on that style, it is about the style of great scientists like Pasteur. For example, Yaşar Kemal says that he reads William Faulkner before starting a new work (see Ramazan Çiftlikçi *Yaşar Kemal: Yazar, Eser, Üslub*). Even great authors make each other more enthusiastic. If you know other books like Hamming's let me know.

1. We have four groups, in 3 groups there are 3 students and in 1 group there are 2 students.
2. For each presentation we have 10 minutes and it will be followed by a brief Q&A session.
3. There is a group leader for each group. The leader must coordinate the joint group work.
4. You must prepare a power point presentation and bring a one page handout to the classroom for your classmates.
5. Send me a copy of your presentation and the class handout on April 15 by 5:00 pm, both in pdf form. (With the email Subject Line: CS533 Hamming-Denning Presentation).
6. Please make sure that everybody contributes to the presentation.
7. We may also pick the best presentation with your votes as we did in 8 minute presentations.
8. Of course you cannot miss the presentation day.

Group No.	Group members (group leader name is in bold)	Hamming Title (Chap. No.) Denning Title (Date of Publication)
1	Mehmet Ali Abbasoğlu, G. Ece Bıçakcı, Neslihan Bulut	Hamming Creativity (Chap. 25) Experts (26)
2	M. Can Çavdar , M. Emre Nevayeshirazi, Hamed Rezanejad	Hamming You Get What You Measure(29) You and Your Research (30)
3	S. Emre Solmaz , Devrim Şahin, Semih Şahin	Denning Thumb Numbers (Jun. 2013) The Idea Idea (Mar. 2012)
4	Abdurrahman Yaşar , Tolga Yılmaz	Denning Avalanches are Coming (Jun. 2014) Surfing Toward the Future (Mar. 2014)