Institut for Matematik og Datalogi

Syddansk Universitet

September 11, 2008

JFB

Introduction to Computer Science
E08 – Week 3

Lecture, September 1

We covered chapters 2 in the textbook and and began on section 1.8 of chapter 1.

Lecture, September 3

We finished chapter 1 in the textbook and begin on chapter 3, covering up through section 3.2 and beginning on section 3.3.

Lecture, September 8

We will cover sections 3.3 and 3.4 in chapter 3 (we will cover section 3.5 later, along with some other security-related topics). We will introduce LaTeX and begin on chapter 4.

Lecture, September 15

We will cover up through section 4.4 of chapter 4 (section 4.5 will be covered later in the course). We may begin on chapter 5.

Lecture, September 17

Kim Skak Larsen will lecture on databases from chapter 9 of the textbook.

Discussion section: week 38

Discuss the following problems from the textbook in groups of three or four:

1. Page 86: Problem 2.

2. Page 90: Problems 1, 2, 5, 6.

3. Page 155: Problem 3.

4. Page 160: Problems 1, 2, 4.

5. Pages 164–165: Problem 3, 13, 15, 23, 25, 26, 35, 36, 38, 40, 43.

6. Pages 167–8: 1, 2, 3.

7. All the questions on page 196 of the textbook.

Assignment due 12:15, September 22

Late assignments will not be accepted. Working together is not allowed. Next to your name, write the section you are in.

Write a document in LaTeX. Turn in both the LaTeX code and the output you get from it. Include at least 5 of the 7 things listed below:

1. Normal text, including Danish letters.

2. Formatted text (italics or bold face, for example)

3. Cover page

4. Sections and subsections

5. Table of contents

6. At least two types of mathematical formulas (use both $...$ and the equation environment)

7. Pictures and/or figures with captions

If you lack ideas as to which text to use, you can look in Wikipedia, for example http://en.wikipedia.org/wiki/Carmichael_number or http://en.wikipedia.org/wiki/Euclidean_algorithm.