

# Weekly Note 1 - Week 6

29 January 2018

## Lecture - Tuesday, 6. February

### 16-19 in U24

We will start with an introduction to the course, and Jacob will give a short whoami speech.

Then we will discuss the format of the lectures and tutorials, and expectations.

Then we will cover Chapters 8: "Overview of Storage and Indexing" and Chapter 9: "Storing Data: Disks and Files." We will skip 9.2 on RAID, as this is covered in the OS course.

If time permits it, we will briefly review chapters 10 and 11, which you already should know from the first database course.

## Tutorial session - Wednesday, 7. February

### 8-10 in U24

This tutorial session will focus on the material covered in the lecture, i.e. exercises on Chapter 8 and 9.

#### Preparation:

The exercises from the book:

- 9.7
- 9.8
- 9.9
- 9.10
- 9.11
- 9.22.

Try also to make a list of 10-15 keywords for a 10 minute presentation with the topic: "Storage and Indexing".

#### In Class

Spend the first part of class preparing these exercises from the book:

- 9.4
- 9.16
- 9.17
- 9.18
- 9.19

Discuss the above exercises.

Discuss the keyword list you prepared at home. There is not a single right answer, as you could plan many great presentations with different "red-threads".

## Tutorial session - Monday, 12. February

### 14-16 in U24

This tutorial will focus on brushing up on index structures!

#### Preparation:

Brush up on chapters 10 and 11 on Tree based indexing and Hash Based Indexing.

#### In Class

Spend the first part of class preparing these exercises from [an old DM505 exam](#):

- Exercise 6
- Exercise 7
- Exercise 8

Spend the last part of class discussing the above exercises and any remaining from last class.

## Recommended Reading

- Chapters 8
- Chapter 9 - Skip 9.2 on RAID (This you will cover in Operating Systems)
- Chapter 10 - You should already know this from DM505 or similar course
- Chapter 11 - You should already know this from DM505 or similar course

## Material (Slides, etc.)

- [Slides for lecture 1](#)