Institut for Matematik og Datalogi

Syddansk Universitet

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Object-Oriented Programming
3rd Weekly Note (E12, Week 47)

Reading for Week 47

Sections 6.1, 6.3.1–6.3.4, 6.3.6, 6.4.1–6.4.4, 6.5.2, 6.6, 6.7.1–6.7.4, 6.8.1–6.8.2 of "Introduction to Programming Using Java"

Lecture: Monday, November 19, 12-14 (U91)

In this lecture we will shortly review Java's advanced object-oriented concepts and then continue the introduction to the basics of GUI programming in Java using the Swing framework.

Then we will introduce the concept of an abstract data type, which will be the main concept explored during the rest of this course.

Discussion: see detailed schedule on course home page

Meet in the assigned room.

Take the Quizzes 1, 5, 6, 7, 8, 9, 10, and 12 from Chapter 6 of the course book and discuss them in groups of 2 or 3. Then discuss your answers with the other groups.

Then go together through the full example of Section 6.7.4 of the course book. Discuss all details of the implementation in `CalcPanel.java` until you understand them. The file `CalcPanel.java` is available from:

`http://imada.sdu.dk/~petersk/DM537/programs/CalcPanel.java`

Lab: see detailed schedule on course home page

Solve Exercises 6.7, 6.8, and 6.1 and 6.8 from the course book. If you are fast, also solve Exercises 6.2 and 6.3.