Courses 02100, 02115 and 02199 in Introductory Programming
IMM, Technical University of Denmark
Mandatory Assignment 1: Practical information

November 6, 2002

- The assignment should be solved in *groups of 2 persons*. You must register for the groups not later than November 8th, as announced on campusnet.

- You can get *advice* on how to solve the assignment Tuesday 3rd of December (for courses 02100+02199) and Wednesday the 4th of December (for course 02115) in the usual exercise session. (Note that there is no lecture that day.) We recommend very strongly that you start solving the assignment *before* that exercise session.

- The solution to this assignment should be made in the form of a group *report* that contains the following sections:

    - A front page that contains the following information: Course number (02100, 02115 or 02199), course name (Introductory Programming), department name (IMM), university name (Technical University of Denmark), date, class identifier (info1, info2, info3 or andre2100 for course 02100, elektro1, elektro2, elektro3 or andre2199 for course 02199, and c02115 for course 02115), full names, study numbers and signatures of the persons of the group.

    - A section "Summary" with highlights, especially on what has and what has not been achieved.

    - A section "Analysis" on how you can make a program solving the given problem. Describe and discuss e.g. how data can be represented and how the desired results can be calculated.

    - A section "Test" that evaluates the results of running your tests.

    - An appendix containing program listings. Follow the advice in section 2 of *Short Advice for Documenting Java Programs* by Paul Fischer or section 1 of *Writing reports on Software* by Jørgen Steensgaard-Madsen. (The advice in the two documents is almost the same.) Both documents can be down-loaded via the course WWW pages.

– An appendix that contains a design of a functional test and a structural test (as illustrated in the notes *Systematic Software Test* by Peter Sestoft), and the results of running your tests.

The report should be short – the three main sections should all together be no more than 2 pages.

- For those of you who would like to use LaTeX to produce your report, a LaTeX skeleton for the report is provided at the course WWW pages. You can find more documentation about LaTeX e.g. at

  http://tex.loria.fr/english/general.html.

  LaTeX is installed in the G-databar. If you like to install Latex at your Windows PC you can install MiKTeX-2.2 from the course cd (or course WWW pages).

- The group report *must be handed in* at the IMM Information office in bldg. 321, **not later than** 12 am on Friday 6th of December 2002.

- Later, you will get instructions on where you have to deliver the files constituting your program. The deadline is the same as for the report.

- Each report will be pre-evaluated by teaching assistants and later it will be evaluated by the course teaching staff. The result contributes with approx. 35 % to the final evaluation that is done after the 3 week period in January.

- In January you will get some comments back by e-mail, but you will not get a score before the 3 week period report has been evaluated.