

CvP - Homework 1

- Deadline: September 21, at the start of the werkcollege.
- Don't forget your name and student number.

Chapter 1

1. In what language is most of UNIX written?
2. What is the disadvantage of having too many features in a language?
3. User-defined operators overloading: how does this harm the readability of a language?
4. What is one example of a lack of orthogonality in the design of C?
5. What language used orthogonality as a primary design criterion?
6. What primitive control statement is used to build more complicated control statements in languages that lack them?
7. What construct of a programming language provides process abstraction?
8. Why is type checking the parameters of a subprogram important?
9. What is aliasing?
10. What is exception handling?
11. In what way do the languages for scientific applications differ from the languages for business applications? Support your view.
12. Java uses a semicolon to mark the end of all statements. What are the advantages for and against this design?
13. Name some languages which use preprocessor directives and some which don't. What are the advantages and disadvantages of preprocessor directives?
14. What does a linker do?