

CSCI 485 Programming Languages

Assignment 1

(Due: Tuesday, January 22)

Answer each of the following questions in your own words.

1. In what language if most of UNIX written?
2. What is a disadvantage of having too many features in a language?
3. How can user-defined operator overloading harm the readability of a program?
4. What is aliasing?
5. What is exception handling?
6. What two programming language deficiencies were discovered as a result of the research in software development in the 1970s?
7. What are the three fundamental features of an object-oriented programming language? Describe them.
8. What is an example of two language design criteria that are in direct conflict with each other?
9. Which produces faster program execution, a compiler or a pure interpreter?
10. What role does a symbol table play in a compiler?