



Homework 1

COMP 3220

Due: August 28, Thursday by 11:59AM

Please submit as a PDF or WORD document using Canvas

- (1. 30pts)** Write a detailed evaluation of a programming language you know, using and covering the criteria discussed in class (and in Table 1.1 of Chapter 1).
- (2. 15pts)** Name and explain another criterion by which languages can be judged (in addition to those discussed in the chapter).
- (3. 10pts)** What are the advantages in implementing a language with a pure interpreter?
- (4. 10pts)** Some programming languages – for example, Pascal – have used semi-colon to separate statements, while Java uses it to terminate statements. Which of these, in your opinion, is most natural and least likely to result in syntax errors? Support your answer.
- (5. 15pts)** Describe some design trade-offs between efficiency and safety in some language you know.
- (6. 10pts)** Do you think language design by committee is a good idea? Support your opinion.
- (7. 10pts)** Explain two reasons why pure interpretation is an acceptable implementation method for several recent scripting languages.