

Course: Programming Languages

Professor: Jeremy Bolton

Assignment: Functional Languages

Reading Material: Lecture Notes and Compilers: CH 1

1. Identify 2 differences between Compilers and Interpreters.
2. What is 1 major advantage of using an interpreter as compared to a compiler.
3. Provide one code example (in any language of your choice), where writeability is high and readability is low.
4. Define Lexical Analysis, Syntactic Analysis and Semantic Analysis.
5. Identify 3 scripting languages.
6. What is the difference between "actual" parameters vs "formal" parameters?
7. In C++, provide an example of aliasing.
8. Differentiate Call-by-Name vs Call-by-value. Use pseudocode examples with explanation to support your discussion.