CS3723 HOMEWORK #1, DUE: 9AM, 9/1/10

INTRODUCTION  (Chapter 1 in Mitchell)

1. What was the original problem domain for which each of the following languages was
designed? For each language, pick out one feature, and describe what reasons you
think the language designers had for including that feature?
   (a) Algol (see also Section 5.1.1 in Mitchell)
   (b) Cobol
   (c) Fortran
   (d) Lisp (see also Section 3.1 in Mitchell)

2. What major language feature does Algol and Lisp have but Fortran lacks?

3. What does it mean that a problem is or is not computable?

4. Why is the distinction between compile time and run time important?

5. What is meant by the term expressiveness as applied to a programming language?