CECS 524 Unit 1 Assignments

Reading Assignment - Chapter 1 of Concepts of Programming Languages, 10th ed.

Written / Programming - Due Sep 9, 5pm to BeachBoard dropboxes.

1. Write, in the programming language of your choice, an interpreter for Brainfu\*k. It is very simple, on the order of a late first semester of programming assignment. Did mine in Java, about 60 lines of code. Run it with this input below - what is the output?

++++++++[>++++[>++>+++>+++>+<<<<-]>+>+>->>+[<]<-]>>.>---.+++++++..+++.>>.<-.<.+++.------.--------.>>+.>++.

1. Find the approximate number of reserved / keywords in the following languages (and say whether it is usually translated by being interpreted, compiled or is a hybrid:

* Ada 2010
* BASIC
* Visual Basic
* C (1999)
* C#
* C++ (2014)
* COBOL (2014)
* FORTRAN 77
* Python
* Java
* Ruby
* SQL

There are two separate Dropboxes, one for each written assignment. For problem 1, turn in your source code and a screen shoot of the output and the IDE behind it (or surrounding the output). For problem 2, turn in a Word, PDF or text file.

Mac users! Please do not submit zipped directories of your program. And do not use Apple based file formats.