

CSE 305 Programming Languages Spring, 2005

Homework 1

Maximum Points: 26

Due 10:30 AM, Friday, January 22, 2010

Professor Shapiro

January 15, 2010

For this homework, you are to run 13 versions of one program, each version written in a different programming language. It was intended that the versions would look the same to a user, but slight differences remain.

The purposes of this homework are:

1. to make sure you can run programs in each of these programming languages;
2. to give you files of instructions on using these programming languages that you can refer to during the semester;
3. to give you examples of programs in these programming languages you can refer to during the semester.

For each of the 13 programs listed below:

1. Copy it to a directory of yours.
2. Run it according to the instructions given in the program file.
3. Give it at least 2 interestingly different inputs, the same inputs, as much as possible, for each of the 13 programs. I suggest at least one multi-word input, such as "Hello there.", and the input that will end the program, "bye". (Omit the quotation marks in each case.)
4. Paste the interactions, including compile, run and interaction steps into a text file named `hw1.txt`. Use one text file for all 13 programs, and retain the order given below.

Then submit the text file, using the UNIX command,

```
submit_cse305 hw1.txt
```

You will earn 2 points for each program correctly run.

All the programs are in the directory (folder) `/projects/shapiro/CSE305/EchoPrograms`. The programs are:

bash: `echo.bash`

C: `echo.c`

C++: `echo.cpp`

C#: `echo.cs`

Common Lisp: `echo.cl`

Erlang: `echo.erl`

Fortran: `echo.f`

Haskell: `echo.hs`

Java: `Echo.java`

Perl: `echo.pl`

Prolog: `echo.pro`

Python: `echo.py`

Ruby: `echo.rb`