

Chapter 5 Homework

CSCI-400 Spring 2013

Exercise #1

1. [2] What is the difference between a “keyword” and a “reserved word”?
2. [2] What is the difference between an “lvalue” and an “rvalue”?
3. [2] What are the four categories of storage bindings for scalar variables based upon lifetime?
4. [4] For each category in #3, give describe when and how the variable is bound to its storage?
5. [4] For each category in #3, give two advantages and two disadvantages.
6. [4] For each category in #3, give an example of a variable in C that has that storage binding. If that type of binding is not supported in C, give an example of a language that does support it.
7. [2] Static scoping is known by what other name?
8. [4] What are some of the disadvantages of dynamic scoping?
9. [4] What does a “referencing environment” refer to?
10. [2] In C, what types of variables are implicitly initialized?

SUBMISSION

Submit your work as a pdf file named CS400_UserID_HW_xx.pdf to Blackboard.

GRADING RUBRIC – 40 pts

10 - Good Faith effort.

30 - As indicated by for each question.

-10 - Improper submission.