

# Computer Science I

## Code Rubric

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University of Nebraska–Lincoln

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This is a draft of items/elements that will be included in rubrics for assignments and hacks.

### Following Instructions

- All required soft-copy files handed in via webhandin
- Correct file name(s) and organization
- Programs successfully compile and execute using the webgrader

### Style

- Appropriate variable and function/method identifiers
- Style and naming conventions are consistent
- Good use of whitespace; proper indentation
- Clean, readable code
- Code is well-organized

### Documentation

- Well written comments that clearly explain the purpose of each non-trivial piece of code

- Comments explain the “what” and “why”
- Comments are not overly verbose or overly terse
- Code itself is “self-documenting”; it explains the “how”

## **Program Design**

- Code is well-organized and efficient
- Code is modular; substantial pieces of it could be reused; few redundancies
- Code is easily understood and maintainable
- It is clear that sufficient testing has been performed
- Corner cases and bad input have been anticipated and handled appropriately

## **Program Correctness**

- Source code compiles, executes as expected
- Program runs as specified: correctly reads any input; correctly formatted output
- Test cases successfully execute

Draft