|   | Excellent<br>(15)   | Good<br>(10)  | Needs Improvement (5)   | Unsatisfactory (0)   |
|---|---|---|---|--|
| Coding<br>Standards   | Code is understandable, readable, organized and follows proper naming conventions.                              | Most of the code is understandable and readable, but some lines do not follow proper naming conventions and the code is somewhat organized. | Code is somewhat readable, some lines follow proper naming conventions and are somewhat understandable, but very little of the code is organized. | Code does not use proper naming conventions, is difficult to understand, and is unorganized. |
| Comments  | Comments are clear, concise, understandable, and meaningful. Included name and provided description of program. | Wording is clear,<br>understandable, and<br>meaningful but<br>provided few<br>comments.   | Most comments are not clear or meaningful; and did not include name or description of program.  | Code does not contain comments.  |
| Correctness   | Code syntax and logic is correct.   | Code will run error-<br>free after some minor<br>corrections to the<br>syntax or logic.   | Code will run error-<br>free with major<br>changes to the syntax<br>or logic.   | Code will not run.   |
| Use of<br>Functions   | Program is organized to effectively use multiple functions including arguments and return values.               | Program includes functions but is slightly ineffective in their use.  | Program attempts to use functions but doesn't use them effectively and/or doesn't include arguments or return values.                             | Program does not use functions.  |
| Input<br>correctly<br>assigned to<br>variables/data<br>structures | Program assigns user input to correct variables.  | Program assigns user input to some variables.   | Program assigns user input to variables, but some are assigned incorrectly.   | Program does not assign input to variables.  |
| Performs<br>correct<br>calculations                               | Program performs calculations with variables, but calculations need major corrections.                          | Program performs calculations with variables, but calculations need minor corrections.  | Program performs calculations with variables, but calculations need major corrections.  | Calculations are incorrect, missing, or incomplete or do not use variables.                  |
| Outputs<br>calculated<br>results                                  | Program outputs calculation results to screen and output text is meaningful and descriptive.                    | Program outputs calculation results to screen, but some output text is unclear, incomplete, or missing.                                     | Program outputs calculation results to screen, but does not include any output text.  | Program does not produce output.   |