# Programming Assignment Writing C Routines

## Grading Criteria

* (5 Points) Submitted files follow submission guidelines
  + Only the requested files were submitted
  + Files are contain name, assignment, section
  + Sources outside of course material are cited
* (5 Points) Suggestions
  + List of suggestions for improvement and/or what you enjoyed about this assignment
* (10 Points) Code standard
  + Code compiles without errors or warnings
  + Code is formatted and commented per the course coding standard
* (30 Points) Implementation of required functions
* (20 Points) Functions pass instructor test cases
* (10 Points) Implementation of two (2) functions of your choice
* (10 Points) Submitted test cases in main adequately test the required functions
* (10 Points) Submitted test cases in main adequately test your own functions

## Grading Rubric

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Points | Deduction | Comments |
| **Implementation of Required Functions** | **30** | - |  |
| is\_prime Implementation | 4 | 0 |  |
| print\_primes Implementation | 4 | 0 |  |
| compute\_average Implementation | 4 | 0 |  |
| series\_sum Implementation | 4 | 0 |  |
| print\_addition\_series\_endpoints Impl. | 5 | 0 |  |
| compute\_discriminant Implementation | 4 | 0 |  |
| print\_quadratic\_solution Implementation | 5 | 0 |  |
| **Pass Instructor Tests** | **20** | - |  |
| IS PRIME TESTS | 3 | 0 |  |
| PRINT PRIME TESTS | 3 | 0 |  |
| COMPUTE AVE TESTS | 3 | 0 |  |
| SERIES SUM TESTS | 3 | 0 |  |
| PRINT SERIES ENDPOINTS TEST | 3 | 0 |  |
| COMPUTE DISC TESTS | 3 | 0 |  |
| PRINT QUADRATIC TESTS | 4 | 0 |  |
| **Implementation 2 Function of Choice** | **10** | - |  |
| Function 1 Implemented | 5 | 0 |  |
| Function 2 Implemented | 5 | 0 |  |
| **Submitted Test Cases Req. Functions** | **10** | - |  |
| IS PRIME TESTS | 2 | 0 |  |
| PRINT PRIME TESTS | 1 | 0 |  |
| COMPUTE AVE TESTS | 1 | 0 |  |
| SERIES SUM TESTS | 1 | 0 |  |
| PRINT SERIES ENDPOINTS TEST | 2 | 0 |  |
| COMPUTE DISC TESTS | 1 | 0 |  |
| PRINT QUADRATIC TESTS | 2 | 0 |  |
| **Submitted Test Cases User Functions** | **10** | - |  |
| Included | 2 | 0 |  |
| Function 1 main usage | 2 | 0 |  |
| Function 1 edge cases | 2 | 0 |  |
| Function 2 main usage | 2 | 0 |  |
| Function 2 edge cases | 2 | 0 |  |
| **Coding Standard** | **10** | - |  |
| File Documentation | 2 | 0 |  |
| Function Documentation | 2 | 1 | (-1 Doc Main) |
| File Structure | 2 | 0 |  |
| Variable Naming | 2 | 0 |  |
| Other | 2 | 1 | (-1 See code) |
| **Submission** | **5** | - |  |
| Only the requested files were submitted | 1 | 0 |  |
| Files are contain name, assignment, section | 2 | 0 |  |
| Sources outside of course material are cited | 2 | 0 |  |
| **Suggestions** | **5** | - |  |
| Included | 5 | 5 | (-5 Missing) |
| Total: | 93 | 7 |  |

## General Comments

Great Job!

Make sure your code compile with -Wall and -Werror