|  |  |
| --- | --- |
| **Application/ Program name:** | RectangleType |
| **Written by:** | Sinigang |

|  |
| --- |
| **Purpose or problem definition:** |
| This program will take given values of a rectangle’s dimensions and use overloaded operators to test whether the overloaded operators work on the rectangles. This will be tested through adding, subtracting, dividing, and multiplying the rectangles together to create new rectangles who also can use the overloaded operators. The program will output the results of our tests when executed, no user input is required. |
|  |
| **Program Procedures:** |
| Calculates and determines the operation functions written.  Display prompt – Show results of overloaded operations being used on rectangles. |
|  |
| **Algorithm/Processing/Conditions:** |
| **Inputs:** |
| None |
| **Processes:** |
| Calculate the operation’s equation with the rectangles |
| **Outputs:** |
| Display the operation being done and the new value of the rectangle or proper statement if comparison operators are used |
|  |
| **Notes & Restriction:** |
| It is assumed the users will realize there is no user input.  It is assumed no changes are desired by the users.  Restriction is only the written versions of the operations will output unless changed in the code. |
|  |
| **Comments:** |
| There is no user input for the code. The only thing the user can do is run the executable and view the results of the written operations, not allowing any interaction from the user besides opening, closing and viewing the results. |