

### Addressing Principles of Algorithm Design:

1. It should be simple.
  - The program is broken into a collection of constants and an if, elseif, ... else statement that performs the calculation. Both sections are clear and independent. The interface is clean and minimal.
2. It should be clear with no ambiguity
  - The logic is straight forward, variables follow good naming conventions and program structure is easy to follow, the results are clearly presented.
3. It should lead to a unique solution of the problem.
  - The if, elseif,... else statement which sets the text in one text box ensures only one solution is returned.
4. It should involve a finite number of steps to arrive at a solution.
  - There are a finite number of steps since the program terminates and presents a result.
5. It should have the capability to handle some-unexpected situations.
  - The program detects if the incorrect data type is entered into the input field and responds with an error.