***[ALGORITHM]***

* *Start with HTML code for basic requirements such as (title, body, head) etc.*
* *Make different types of buttons as follows:*
* *number list from 0-9*
* *An arithmetic operation such as +, -, ×,* ***÷***
* *Clear button to erase all the inputs*
* *A decimal point*
* *An equal to sign*
* *Use the onclick function on the button to prompt the user.*
* *Start with JavaScript code by using <script></script>*
* *To assign each integer with the proper number use “value” tag to refer to a specific number.*
  + *Then make them as “button” type tag so it can display as a text.*
* *Apply the same procedure to every other inputs (operators, integers, decimal, equal to sign).*
* *When using “value” and “onclick” for arithmetic operators it will automatically perform that specific operation, so not a lot of JavaScript code is required.*
* *Use functions in JavaScript to declare each value on monitor by using*

*document.getElementById().value=val*

* *When the user enters any non-integer number use “try” and “catch” statement to detect a block of code for errors and catch statements will handle the error. If the user enters “32+-89” the result will be displayed as an “error”.*
* *When the user divides any number by 0 the result will be “NaN”.*
* *For a scientific calculator, add these following features to it:*
* *Exponent*
* *form.display.value = Math.exp(form.display.value);*
* *Ln (logarithms)*
* *form.display.value = Math.log(form.display.value);*
* *Square root*
* *form.display.value = Math.sqrt(form.display.value);*
* *Square*
* *User input \* User input*
* *Cosine*
* *form.display.value = Math.cos(form.display.value);*
* *Tangent*
* *form.display.value = Math.tan(form.display.value);*
* *Sine*
* *form.display.value = Math.sin(form.display.value);*
* *Then, implement CSS to style your calculator.*