Programming III

Activity 1.7

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# Data Structures

|  |  |  |  |
| --- | --- | --- | --- |
| Variable Scope | Type | Name | Use |
| private | Integer | operatorType | Passing an integer numer to button Equal to perform the calculation |
| private | Double | fnum | Store the first number input by user |
| private | Double | snum | Store the result and display on the result texbox |
| private | Double | tempSave | Store second input from user |

# Algorithms

## ConvToDegree Method

This method takes a double type number and convert that to degree. The return of this method is a double number which will be used to find the Sinus, Co-sinus and Tangent of a degree.

### Pseudo Code

Start

double number

double degree = number \* ( 180 / Pi)

return degree

end

## EnableButton

This method enable all numeric buttons in calculator application.

### Pseudo Code

Start

Enable all numeric buttons

End

## disableButton

This method disable all numeric buttons in calculator application.

### Pseudo Code

Start

disable all numeric buttons

end

# Testing

To test calculator application we need to find a text expert to test that against rear and common criteria. Preparing a test report to identify all the possible errors will help to debug and fix the application.

To upgrade and improve the application we can,

* Add some other mathematical features
* Improve GUI design
* Connect the application to some APIs to add currency exchange extension
* Add some submenu to save, export or import some data

# Github Link

https://github.com/satir1313/Calculator-Report.git