Programmer documentation

Key files

* Form1.designer.vb
* Graphics.vb
* Convertor.vb
* ValidationFunctionModule.vb

Functions

ValidateInput(str):

* Implemented in validationfunctionmodule.vb.
* Return value :true/false

After obtaining input in a textbox or through a file the input is checked if it is a valid input to ensure that we get a valid octal number.

Major features checked are:

* Digits should be between 0 and 7
* Sign of the input
* Availability of decimal point

Care was taken to ensure that .7 is correct while 7. Is incorrect

ConversionDec(str):

* Implemented in convertor.vb
* Return value:string

Returns a string which is decimal equivalent of the input number.

It splits the string into 2 parts beforedecimal and after decimal.

Before decimal : Every digit is multiplied by 8(number of digits before it) and sum is taken.

After decimal : every digit is multiplied by 125 and divided by thousand . Division by thousand is carried out by keeping a count of number of division carried out and a support function is used for the process.

GenerateExplaination(str,str):