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CIS1400-003 Property Tax Calculator Program

14 September 2015

**Pseudocode**

# declaring global constants

Constant Real ASSESSMENT\_RATE = .6

Constant Real PROPERTY\_TAX = .0064

## declare variables for the property value calculations

Module Main()

Declare Real propVal

Declare Real assessmentVal

Declare Real taxVal

// get the property value input from user

Call getVal(propVal)

// process the assessment value

Call assessVal(propVal, assessmentVal)

//show the assessment

Call assessShow(assessmentVal)

// process the property tax

Call taxVal(assessmentVal, taxAmt)

// show the property tax

Call showTax(taxAmt)

End Module

## the getVal module receives the property value and stores it in the propVal ref variable

Module getVal(Real Ref propVal)

Display “Enter your property’s full value:”

Input propVal

End Module

## the assessVal module takes the ref variable and performs the assessment calculation

Module assessVal(Real propVal, Real Ref assessment)

Set assessment = propVal \* ASSESSMENT\_RATE

End Module

## assessShow displays the assessment value

Module assessShow(Real assessment)

Display “Your property’s assessment value is $”, assessment

## the taxVal module calculates the property tax owed based on the new value established by ##assessVal

Module taxVal(Real assessment, Real Ref tax)

Set tax = assessment \* PROPERTY\_TAX

End Module

## finally, display the property tax amount… at this point I believe taxAmt and tax are interchangeable, but I used tax.

Module showTax(Real tax)

Display “Your property tax amounts to $”, tax

End Module