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**CIS1400-002**

**Property Tax Program Pseudocode**

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**Pseudocode**

// Global Constant

Constant Double Assessed\_Percent\_Value = 0.60

Property\_Tax\_Percent = 0.64

Module main()

// Declare needed variables

Declare Real ActualProperty, convAssessedProperty, convPropertyTax

// Display intro message

Call showIntro()

// Get the actual value of property

Call getProperty ( ActualProperty )

// Convert Actual Property to Assessed Property

Call PropertyToAssessment ( ActualProperty, convAssessedProperty )

// Display converted amount of Assessed Property

Call displayAssessedProperty(convAssessedProperty)

// Convert Assessed Property to Property Tax

Call AssessmentToTax ( convAssessedProperty, convPropertyTax )

// Display converted amount of Property Tax

Call displayPropertyTax( convPropertyTax )

End Module

// The showIntro module display an

// introductory screen

Module showIntro()

Display “This program converts measurements”

Display “in actual property to assessed property and property tax.”

Display “For your reference the formula is:”

Display “ assessed property = 60% of actual property.”

Display “ property tax = ( assessed property /100 ) \* $0.64.”

End Module

// The getProperty module gets the actual value of property

// and stores it in the reference variable ActualProperty.

Module getProperty ( Real Ref ActualProperty )

Display “Enter the actual value of property.”

Input ActualProperty

End Module

// The PropertyToAssessment module takes an input

// actual value of property and returns the converted

// assessed property in the passed reference variable.

Module PropertyToAssessment ( Real ActualProperty,

Real Ref AssessedProperty )

Set AssessedProperty = ActualProperty \* Assessed\_Percent\_Value

End Module

// The displayAssessedProperty module displays the

// equivalent number of assessed property.

Module displayAssessedProperty (Real AssessedProperty)

Display “That converts to assessed property $“, displayAssessedProperty

End Module

// The AssessmentToTax module takes assessed property

// and returns the converted property tax

// in the passed reference variable.

Module AssessmentToTax ( Real AssessedProperty, Real Ref PropertyTax )

Set PropertyTax = (AssessedProperty/100) \* Property\_Tax\_Percent

End Module

// The displayPropertyTax module displays the

// equivalent number of property tax.

Module displayPropertyTax (Real PropertyTax)

Display “That converts to property tax $“, displayPropertyTax

End Module