Module main()

//declare variables

Declare Real mealPrice

Declare Real tip

Declare Real tax

Declare Real total

//call functions

inputMeal(mealPrice)

calcTip(mealPrice)

calcTax(mealPrice)

calcTotal(mealPrice, tip, tax)

printInfo(mealPrice, tip, tax, total)

End Module

//get mealprice

Module inputMeal(Real Ref mealPrice)

Display “Enter the meal price”

Input mealPrice

End Module

//calculate tip

Module calcTip(Real mealPrice, Real Ref tip)

If mealPrice >= 25.01 Then

Set tip = mealPrice \* .22

Else If mealPrice >= 17.01 Then

Set tip = mealPrice \* .19

Else If mealPrice >= 12.01 Then

Set tip = mealPrice \* .16

Else If mealPrice >= 6 Then

Set tip = mealPrice \* .13

Else

Set tip = mealPrice \* .10\

End Module

//calculate tax

Module calcTax(Real Ref tax, Real mealPrice)

Set tax = mealPrice \* .06

End Module

//calculate total

Module calcTotal(Real mealPrice, Real tip, Real tax, Real Ref total)

Set total = mealPrice + tip + tax

End Module

//Display information

Module printInfo(Real mealPrice, Real tax, Real tip, Real total)

Display ‘The meal price is $ ‘, mealPrice

Display ‘The tip is $ ‘, tip

Display ‘The tax is $ ‘, tax

Display ‘The total is $ ‘, total

End Module