Main()

{

Call InitializeReport ()

Call StartReport()

While(saleID != -1) //Keep calling the enter sale related modules until -1 is entered

{

Call EnterSale()

If(saleSubTotal < 25,000) //Check to see if the sub-total is below 25,000

{

Call CountSale

Call CalcSale

If(salePostTotal > highPostTotal) //Check for new highest sale

{

Call NewHighestSale()

}

Call DisplaySale()

}

} // -1 has been input,therefore outputting final values and then ending program

Call EndReport()

Stop!

} //End Program

InitializeReport () //Starts the program by initializing variables

{

saleID = totalSales = 0

totalSubTotal = salePostTotal = totalPostTotal = highPostTotal = 0.0

}

StartReport() //Starts the intake of the sales report meta data

{

Input state

Input saleDate

Input salesTaxRate

Output state

Output saleDate

Output salesTaxRate

}

EnterSale() //Takes in each sale

{

Input saleID

Input saleSubTotal

}

CountSale() //Counts the total sales in the report

{

totalSales += 1

}

NewHighestSale() //Records the highest sale in the report

{

highPostTotal = salePostTotal

highPostTotalSaleID = saleID

}

CalcSale() //Perfoms the math for the sale post-total and final report values

{

salePostTotal = saleSubTotal + (saleSubTotal \* salesTaxRate)

totalSubTotal += saleSubTotal

totalPostTotal += salePostTotal

avgPostTotal = totalPostTotal / totalSales

}

DisplaySale() //Outputs the sale info

{

Output saleID

Output saleSubTotal

Output salePostTotal

}

EndReport() //Ends the program by outputting the final report values

{

Output totalSubTotal

Output totalPostTotal

Output avgPostTotal

Output highPostTotal

Output highPostTotalSaleID

}