//TotalSalesPJG

Module main()

//declare constant for array

Constant Integer DAYS = 7

//construct array using DAYS

Declare Real salesWeek[DAYS]

//variable hold function returns

Declare Real salesTotal

Display “User will be prompt to enter the store’s sales”

Display “for each day of the week. The program will then”

Display “calculate the total of the week’s sales”

Display “and print to the user.”

Display “” //whitespace

//call getSales() using the array and constant to populate the array

Call getSales(DAYS, salesWeek)

//call getTotal() to find the sum of the week’s sales

Set salesTotal = getTotal(DAYS, salesWeek)

Display “The total sales for the week is: $”, salesTotal

Display “”

End Module

Module getSales(Constant Integer WEEK, Real salesDay[])

//declare variables to use in loops

Declare Integer index

Declare Boolean dblInput

//Construct Scanner object

//loops through salesWeek[] constructed in main()

For index = 0 To WEEK – 1

//sets ‘dblInput’ to false

dblInput = false

//ask user for pay rate; check for mismatch; validates data range

While dblInput NOT true

//ask the user for the corresponding day’s sales

Display “The sales for the day “, (index + 1), “ is: “

Try

Input salesDay[index]

Display “”

//set dblInput to true; end loop

Set dblInput = true

Catch

Set dblInput = false

Input is cleared

Display “INVALID. TRY AGAIN.”

End While

End For

End Module

//using the newly populated array getTotal() now adds all the values into a total and reutrns to main()

Function Real getTotal(Constant Integer WORKWEEK, Real dayTotal[])

//variable to use in for loop

Declare Integer index

Declare Real totalSales = 0

//loops through the array and adds each slot into a total

For index = 0 To WORKWEEK – 1

Set totalSales = totalSales + dayTotal[index]

End For

Return totalSales

End Function