//PayRollPJG

Module main()

//variable hold function returns

Declare Real emloyeePay

Display “User will be prompt to enter an employee’s”

Display “hourly pay rate and the number of hours worked.”

Display “Pay rate MUST be between $7.50 and $18.25.”

Display “Hours worked MUST be between 0 and 40.”

Display “” //whitespace

//call PayRoll function; assign to employeePay

Set employeePay = PayRoll()

Display “The employee’s gross pay is: $”, employeePay

End Module

Function Real payRoll()

Declare Real payRate = 0

Declare Real hoursWorked = 0

Declare Boolean dblInput = false

//Construct Scanner object

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

While dblInput NOT true

Display “What is the employee’s hourly pay rate? $”

Try

Input payRate

Set dblInput = true

Catch

Set dblInput = false

Input is cleared

Display “INVALID. TRY AGAIN.”

End While

//validates; if true ask for new input and checks for mismatch; tries again

While (payRate < 7.50 OR payRate > 18.25)

Display “ERROR: The value must be between $7.50 and $18.25”

Set dblInput = false

While dblInput NOT true

Display “What is the employee’s hourly pay rate? $”

Try

Input payRate

Set dblInput = true

Catch

Set dblInput = false

Input is cleared

Display “INVALID. TRY AGAIN.”

End While

End While

//resets while loop Boolean once more

Set dblInput = false

//same test as above, now asking for employee hours

While dblInput NOT true

Display “How many hours did the employee work? “

Try

Input hoursWorked

Set dblInput = true

Catch

Set dblInput = false

Input is cleared

Display “INVALID. TRY AGAIN.”

End While

//validates; if true ask for new input and checks for mismatch; tries again

While (hoursWorked < 0 OR hoursWorked > 40)

Display “ERROR: The value must be between 0 and 40”

Set dblInput = false

While dblInput NOT true

Display “How many hours did the employee work? ”

Try

Input hoursWorked

Set dblInput = true

Catch

Set dblInput = false

Input is cleared

Display “INVALID. TRY AGAIN.”

End While

End While

Return payRate \* hoursWorked

End Function