import JJIO

class BigPay
    -- Name An Onmymous
    -- Does pay as one big monolith; no sub-programs

    constant break1 = 40 -- overtime pay limit
    constant break2 = 60 -- double time limit

    routine netPays (none) is private
        boxes hours, gross, net, misc ofType int
        boxes taxRate, taxes, deductions ofType int
        -- Does net pay repeatedly
        start
            repeat
                -- Input of data
                output "Enter hours worked 
                input hours
                outputln hours
                repeat -- on error input
                    exitOn (hours <= 7 * 24)
                    output "Error.. ReEnter 
                    input hours
                    outputln hours
                endRepeat
                repeat -- on error input
                    exitOn (hours < 0)
                    output "The gross pay is 
                    outputln grossPay (hours)
                    set net = gross - deductions (gross)
                    output "The net pay is 
                    outputln net
                    outputln " 
                endRepeat
                -- Other inputs (rate = 10)
                exitOn (hours < 0)
                -- Gross Pay
                if (hours > 60) then -- extended
                    set gross = 700 + 2*10*(hours - 60)
                else
                    if (hours < 40) then -- original
                        set gross = 10 * hours
                    else
                        set gross = 40*10 + 15*(hours - 40)
                    endif -- original part
                endif -- extended part
                -- Deductions
                set taxRate = 20 -- percent could input
                set taxes = gross * taxRate / 100 --!!
                output "Enter misc deductions 
                input misc
                outputln misc
                set deductions = taxes + misc
                set net = gross - deductions
                -- Output
                output "The gross pay is 
                outputln gross
                output "The net pay is 
                outputln net
                outputln " 
            endRepeat
        endRoutine netPays
    endRoutine netPays
endclass BigPay