Three First Programs in JJ

-- Name Anonymous
-- Does determine birth year
-- Shows int type and in/out

Box year ofType int
Box age ofType int

Set year = 2000

Output "How old are you?"
Input age
Outputln age
Output "You were born around"
Outputln (year - age)

-- Some runs:
-- How old are you? 20
-- You were born around 1980
-- How old are you? 100
-- You were born around 1900
-- How old are you? -100
-- You were born around 2100

--- A typical run

--- Enter first name: Bill
--- Enter last name: Gates
--- Enter middle initial: Q
--- The full name is Bill Q. Gates
--- The directory form is Gates, Bill

-- Name Anonymous
-- Does determine total cost of goods
-- Shows mix of ints & reals; documented

Box quantity ofType int
Boxes price, tax, total ofType real

Set taxRate = 10.0 -- percent

-- Enter price and quantity
Output "Enter price " -- prompt
Input price -- enter
Outputln price -- echo

Output "Enter quantity"
Input quantity -- enter
Outputln quantity -- echo

-- Compute cost, tax, total
Set cost = price * IntToReal (quantity)
Set tax = cost * taxRate / 100.0
Set total = cost + tax

-- Output resulting total
Output "The total cost is"
Outputln total
Outputln " " -- gap between runs

-- Some runs:

--- Enter price 20.0
--- Enter quantity 30
--- The total cost is 660.0

--- Enter price 12.34
--- Enter quantity 56
--- The total cost is 760.144