Class Name
-- Name Ann Non Amous
-- Does provide people names involving strings

Constant Comma = ","
Constant Space = " 
Constant Period = "."

Box first ofClass Str is public -- given
Box mid ofClass Str is private -- no way
Box sur ofClass Str is public -- surname

Constructor Name (f, m, s) is public
   Slot f ofClass Str
   Slot m ofClass Str
   Slot s ofClass Str
   -- Does: set the full name
   Set first = f
   Set mid = m
   Set sur = s
EndConstructor Name

Routine outLastFirst (none) is public
   Box fullName ofClass Str
   -- Does: output name in directory style
   Set fullName = sur + Comma + first
   Outputln fullName
EndRoutine outLastFirst

Function initial(none) ofClass Str is public
   Box result ofClass Str
   -- Does: return the "first" char of mid name
   Set result = mid.substring(0,1)
EndFunction initial

Routine outFullName (none) is public
   Box fullName ofClass Str
   -- Does: output full name, first name then surname
   Set fullName = first + Space + initial() + Period + Space + sur
   Outputln fullName
EndRoutine outFullName

Routine outInitials (none) is public
   -- Does output all 3 initials of a full name
   Outputln first.substring(0,1) + initial() + sur.substring(0,1)
EndRoutine outInitials

Function allInitials (none) ofClass Str is public
   Box result ofClass Str
   -- Does return a string of all 3 initials
   Set result = first.substring(0,1) + initial() + sur.substring(0,1)
EndFunction allInitials

Routine testName (none) is private -- mine!
   Box myName ofClass Name
   -- Does test Name class
   Start
   New myName ofClass Name with ( "John","Quincey","Doe" )
   Call myName.outLastFirst
   Call myName.outFullName
   Output "My initials are 
   Call myName.outInitials
   Outputln "My initials are " + myName.allInitials()
EndRoutine testName

EndClass Name

-- output
-- Doe, John
-- John Q. Doe
-- My initials are JQD
-- My initials are JQD