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Import JJIO
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

```