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METHOD main
        nums ← {1, 4, 13, 43, -25, 17, 22, -37, 29}

        CREATE array data

        data ← CALL fillRand with data

        numsLarge ←  CALL findLargest with nums

        dataLarge ← CALL findLargest with data

        PRINT "nums' largest number is "  numsLarge

        PRINT "Data's largest number is " dataLarge

        PRINT "The sum of the largest numbers is " numsLarge + dataLarge

        PRINT "Data contains " + CALL Arrays.toString with data

        PRINT "longest continuous series of positive numbers for data: " CALL positiveSeriesLen
        with data
ENDMETHOD


METHOD findLargest (takes in array nums returns number)
        currentLargest ← nums[0]

        FOR each item in  nums

                IF (item > currentLargest) than

                        currentLargest ← item

                ENDIF

        ENDFOR

        RETURN currentLagest
ENDMETHOD


METHOD fillRand (takes in array data returns array)
        FOR each item in data

                Item ← CALL random with int between -100 and 100

        ENDFOR
```

RETURN data

ENDMETHOD

METHOD positiveSeriesLen (takes in array data returns number)

        cnt ← 0

        largestCnt ← 0

        FOR each item in data

                IF (item is positive) then

                        cnt ← cnt + 1

                        IF (cnt > largestCnt)

                                largestCnt ← cnt

                        ENDIF

                ELSE

                        cnt ← 0

                ENDIF

        ENDFOR

        RETURN largestCnt

ENDMETHOD