Program: 6

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**Data**

Name Type Description

idNum int array that stores all part numbers

price double array that stores all prices

count int counter

bigO int counter to determine “Big O”

**Methods**

Name Type Parameters In Purpose

InventoryData N/A None Constructor, count = 0, call loadArray function

loadArray void None loads both arrays, sets count to -1 if not open

seqSearch int target part number searches sequentially through the array for targeted number. Ind = 0 found = -1, bigO = 0

binSearch int target part number searches binary through the array for targeted number.first = 0 found = -1, bigO = 0, last = totalCount

getCount int None return count

getPartNum int index return idNum array, from inputted index

getPriceNum double index return price array, from inputted index

getTotalCount int None return totalCount

getBigO int None return bigO