Project: Inventory file output

“Program8 Solution Lippe”

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Data for Inventory Management

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| --- | --- | --- |
| Name | Type | Description |
| IDArray | int array | stores part id numbers |
| PriceArray | double array | stores corresponding prices for each part number |
| loadCount | int | Stores the total number of array entries. |
| summaryArray | double array | stores all search entries, and results, up to 200 |
| foundSeq | int | unused |
| foundBin | int | unused (depends on answer to discussion board question) |
| query | int | tracks the number of queries sent to binSearch |
| summaryArrayIndex | int | allows search queries and results to be stored |

Methods for Inventory Management

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| --- | --- | --- | --- |
| Name | Type | Parameters | Description |
| InventoryData | none | loadCount  IDArray  PriceArray | constructor |
| loadArrays | void | none | loads arrays with values in data file |
| seqSearch | int | id number | Searches though IDArray sequentially for passed value, returns index if found. |
| binSearch | int | id number | Searches though IDArray with the binary method for passed value, returns index if found. |
| displayIDArray | void | none | displays IDArray |
| displayPriceArray | void | none | displays Price Array |
| getPrice | double | index value | returns requested price |
| bubbleSort | void | none | sorts IDArray, allows prices to stay with associated inventory number |
| summary | void | none | displays summary info |

Data for OrdersProcessed

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| file | string | stores output file name |
| fileOpenSuccess | Char | Stores t for file opened and f for fail |

Methods for OrdersProcessed

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Parameters | Description |
| OrdersProcessed | none | string | constructor, opens file |
| getFileStatus | char | none | gets the file’s status char |
| saveRecord | void | int, int, double | Saves passed values to file “ios::app” only |
| closeFile | void | none | closes the file |
| displayOrders | void | none | displays all valid searched for orders |
| calcTotalCostOfOrders | double | none | adds all valid order totals |
| openFile | void | string | opens the file |