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| **Name** | **Type** | **Description** |
| **(Main)** |  |  |
| fileRead | ifstream | Input file stream |
| plants | 2D int array | The number of each product produced by each plant |
| components | 2D int array | Number of components needed for each finished product |
| costsProd | int array | Total cost to make each product |
| matTotals | 2D int array | Total of each component needed by each plant |
| matCosts | int array | Total materials costs per plant |
| prices | int array | Price per component |
| fileName | string | Name of data file |
| count | int | Iterator |
| count2 | int | Iterator |
| plaNum | int | Number of plants |
| choice | int | Menu selection |
| done | bool | Program exit |
| **(prodCost)** |  |  |
| temp1 | int | Prevents working with uninitialized array |
| temp2 | int | Prevents working with uninitialized array |
| temp3 | Int | Prevents working with uninitialized array |
| **(numEntry)** |  |  |
| s | string | Scans for the empty line |
| entry | int | Tracks number of entries |

**Note:** Repetitive variables omitted