```cpp
/*
Cameron Tyree
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*/

#include "personalLibrary.h"

void loadArrays(string[], int[], float[], int);
void calculateValues(int[], float[], float[], int);
void displayTable(string[], int[], float[], float[], int);



int main() {

    const int SIZE = 6;
    string product[SIZE];
    int quanity[SIZE];
    float cost[SIZE];
    float value[SIZE];
    int items = 0;

    loadArrays(product, quanity, cost, SIZE);
    calculateValues(quanity, cost, value, SIZE);
    displayTable(product, quanity, cost, value, SIZE);

    endProgram();
}

void loadArrays(string product[], int quanity[], float cost[], int SIZE) {
    ifstream fin;
    int items = 0;
    fin.open("inventory.txt");
    if (fin.is_open()) {
        while (items < SIZE && fin >> product[items] >> quanity[items] >>
          cost[items]) {
            items++;
        }
    }
    else {
        cout << "Unable to open file";
    }

}
void calculateValues(int quanity[], float cost[], float value[], int SIZE)
  {
    for (int i = 0; i < SIZE; i++) {
        value[i] = quanity[i] * cost[i];
```

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48      }
49  }
50  void displayTable(string product[], int quanity[], float cost[], float
      value[], int SIZE) {
51
52      float totalValue = 0;
53      float averageValue = 0;
54      cout << "Product Code" << setw(20) << "Quanity" << setw(20)
55          << "Cost Each" << setw(20) << "Total Value" << endl;
56
57      for (int i = 0; i < SIZE; i++) {
58          cout << product[i] << setw(20) << quanity[i]
59              << setw(20) << fixed << setprecision(2) << cost[i] << setw(20)
                  << value[i] << endl;
60          totalValue += value[i];
61      }
62      //  cout << "\nThe product with the highest inventory is " <<
63      // i have no clue how to do the highest inventory thing
64          averageValue = totalValue / SIZE;
65          cout << "\nThe average cost of an inventory item is $" <<
              averageValue;
66  }
67
```