```
" << discounted_total
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       << discounted_total</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            << shipping << end1</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  $ " << discounted_total</pre>
                                                                            cout << "C.S.1428.007" << endl << "Lab Section: L07"
                                                                                                                                                                                                                                               << fixed <<
                                                                                                                                                                                                                                                                                                     cout << TAX_RATE << endl << fixed << setprecision(2)
                       cout << fixed << setprecision(2) << "Aaron Luna" <<
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           + shipping + (discounted_total * TAX_RATE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          $ " << total << endl</pre>
                                                                                                                                                                                                                                                                                                                                                                                                         cout << shipping << endl << endl << "Total Amount
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cout << "A copy for your records can be found in
                                                                                                                                                                                                                                                                                                                                                      cout << discounted_total * TAX_RATE << endl <<</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          " << fixed <<
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  setprecision(3) << TAX_RATE << endl
                                                                                                                                   cout << "10/28/20" << endl << endl << "Total
                                                                                                                                                                                        cout << total << endl << "Discounted Total:</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                              cout << discounted_total + shipping +</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            << "10/28/20" << endl << endl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (discounted_total * TAX_RATE);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     << "Lab Section: L09" << endl</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 fixed << setprecision(1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          prog4_007out.txt" << endl;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           << "C.S.1428.007" << end1</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Aaron Luna" << endl</p>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Total Amount Due:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     * TAX_RATE << end1
                                                                                                                                                                                                                                              cout << endl << "Tax Rate:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Discounted Total:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          << "Total Purchases:</pre>
                                                                                                                                                             :
*
cout << endl << endl;
                                                                                                                                                                                                                      discounted_total;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cout << endl << endl;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        << end1 << end1;</pre>
                                                                                                                                                                                                                                                                         setprecision(4);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          << "Tax Rate:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Shipping:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          << end1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 << endl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    system("PAUSE>NUL");
                                                                                                                                                                                                                                                                                                                                                                                   "Shipping:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              fout.close();
                                                     endl;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ¥
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             return 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   fout
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       135
136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   140
 125
126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        137
138
139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cout << "C.S.1428.007" << endl << "Lab Section: L07"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cout << fixed << setprecision(2) << "Aaron Luna" <<
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cout << endl << "Come back again soon!" << endl;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           discounted_total = total - (total * DISCOUNT);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cout << "Enter the number of items purchased: ";</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cout << "10/28/20" << endl << endl << "Total
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                if (discounted_total >= FREE_SHIPPING_MIN)
                                                                                                                                                                                                                                                                         FREE_SHIPPING_MIN = 150.00;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cout << "Enter item price: ";
                                                                                                                                                                                                                                          const double SHIPPING_CHARGE = 8.50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  for (int i = 1; i <= items; i++)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              shipping = SHIPPING_CHARGE;
                                                                                                                                                                                          const double TAX_RATE = 0.0825;
                                                                                                                                                                                                                    const double DISCOUNT = 0.20;
                                                                                                                                                                                                                                                                                                                                                                                                           double discounted_total = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            total += item_price;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               fout.open("prog4_007.txt");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cin >> item_price;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cout << end] << end];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  double item_price = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         shipping = \theta;
                                                                                                                                                                                                                                                                                                                                                                                                                                          double shipping = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Purchases:
                                                                                                                                                                                                                                                                                                                                                                                   double total = 0;
                                                                                  using namespace std;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            << end];
#include <iostream>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   if (items == 0)
                           #include <iomanip>
                                                      #include <fstream>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ofstream fout;
                                                                                                                                                                                                                                                                                                                              int items = 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     endl;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cin >> items;
                                                                                                                                                                                                                                                                         const double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            else
                                                                                                                                   int main ()
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 else
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5
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