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//*****
//
//   Sample Solution for pa3.cc   --   Fall 2005
//
//*****
#include <iostream>
#include <iomanip>
using namespace std;

const double BOX = 250.0, SIDE = 125.0, PREM = 75.0, GENL = 25.0;
const double HANDLING_FEE = 2.50;

int main()
{
    int    numBox, numSide, numPrem, numGen, totalTickets;
    double totalCost, totalBox, totalSide, totalPrem, totalGen, totalFee;
    string customerName;

    // get user input
    cout << "Enter name of purchaser: ";
    getline(cin, customerName);

    cout << "Enter the following -- \n";
    cout << "                Number of Box Seats: ";
    cin >> numBox;
    cout << "                Number of Sideline Seats: ";
    cin >> numSide;
    cout << "                Number of Premium Seats: ";
    cin >> numPrem;
    cout << "                Number of Gen'l Admission Seats: ";
    cin >> numGen;

    totalTickets = numBox + numSide + numPrem + numGen;

    // compute total cost of tickets BEFORE handling fee
    totalBox = numBox * BOX;
    totalSide = numSide * SIDE;
    totalPrem = numPrem * PREM;
    totalGen = numGen * GENL;
    totalCost = totalBox + totalSide + totalPrem + totalGen;

    // compute total cost of tickets AFTER handling fee
    totalFee = totalTickets * HANDLING_FEE;
    totalCost = totalCost + totalFee;

    cout << fixed << showpoint;
    cout.precision(2);

    cout << "\n-----\n";
    cout << "Receipt: Football Tickets\n";
    cout << "-----\n";

    cout << "Customer Name: " << customerName << endl << endl;

    cout << "Ticket Summary\n";

    cout << "                Box Seats (" << setw(2)<< numBox << "@"
    << setw(6) << BOX << ")" << setw(10) << totalBox << endl;
    cout << "                Sideline Seats (" << setw(2)<< numSide << "@"
    << setw(6) << SIDE << ")" << setw(10) << totalSide << endl;
    cout << "                Premium Seats (" << setw(2)<< numPrem << "@"
    << setw(6) << PREM << ")" << setw(10) << totalPrem << endl;
}

```

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cout << "      Gen'l Admission Seats (" << setw(2)<< numGen << "@"  
      << setw(6) << GENL << ")" << setw(10) << totalGen << endl;  
cout << endl;  
  
cout << "Handling Fee:" << setw(20) << totalTickets << "@" << HANDLING_FEE  
      << setw(10) << totalFee << endl << endl;  
cout << "TOTAL COST:" << setw(28) << "$ " << setw(9) << totalCost << endl;  
cout << "-----\n\n";  
  
return 0;  
}
```