LAB 3

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// Programming Assignment: LAB3A

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// Purpose: Salsa Sales Program

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#include <iostream>

#include <iomanip>;

using namespace std;

int main()

{

//declare your arrays, highest & lowest seller index

int i = 0, totalSales = 0, temp = 0, prevBest = 0, prevWorst = 1000;

char highSeller{};

char lowSeller{};

string highSellerName = "name", lowSellerName = "name";

string salsaTypes[7] = { "Mild", "Medium","Hot","Sweet","Fruit","Verde","Zesty" };

int jarsSold[7] = {};

//Insert brief descriptor of what program is going to run here

cout << "Welcome to the Salsa Sales Report Generator!\n";

cout << "When prompted enter the amount sold from each type of salsa. \n";

cout << "Afterwards, you will receive a report with the total sales, highest seller and lowest seller salsa for the month.\n";

cout << " \n";

cout << "Let's begin\n";

cout << " \n";

cout << " \n";

//Display Sales Input Header

cout << "\t Salsa Sales Input\n";

cout << "\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n";

cout << " \n";

//for loop going through and printing out the sales of different salsas appending to jarsSold[]

for (i = 0; i < 7; i++) {

cout << "Jars sold last month of " << salsaTypes[i] << " : " << endl;

cin >> jarsSold[i];

totalSales += jarsSold[i];

//while loop to check user input that its above 0

while (jarsSold[i] < 0) {

cout << "Please enter a value greater than 0!" << endl;

}

}

//Display header for the report section

cout << " \n";

cout << " \n";

cout << "\t Salsa Sales Report\n";

cout << " \n";

cout << "Name\t\tJars Sold\n";

cout << "\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n";

cout << " \n";

//another loop to calculate total jars sold, test for low & high sales products

for (i = 0; i < 7; i++) {

cout << salsaTypes[i] << "\t : \t" << jarsSold[i] << endl;

if (jarsSold[i] > prevBest) {

prevBest = jarsSold[i];

highSellerName = salsaTypes[i];

}

if (jarsSold[i] < prevWorst) {

prevWorst = jarsSold[i];

lowSellerName = salsaTypes[i];

}

}

//display sales for each type of salsa, total sales, salsa with highest and lowest sales

cout << " \n";

cout << "Total Sales: \t" << totalSales << endl;

cout << " \n";

cout << "Low Seller: \t" << lowSellerName << endl;

cout << " \n";

cout << "High Seller: \t" << highSellerName << endl;

system("pause");

}

