// This program demonstrates an array being passed to a function.

/\*#include <iostream>

using namespace std;

void showValues(int[], int); // Function prototype

int main()

{

const int ARRAY\_SIZE = 8;

int numbers[ARRAY\_SIZE] = { 5, 10, 15, 20, 25, 30, 35, 40 };

showValues(numbers, ARRAY\_SIZE);

return 0;

}

// Definition of function showValue. This function accepts an array of integers

// and the array's size as its arguments. The contents of the array are displayed.

void showValues(int nums[], int size)

{

for (int index = 0; index < size; index++)

cout << nums[index] << " ";

cout << endl;

}\*/

// This program will keep track of sales for five different types of salsa.

// Then will produce a report that displays sales for each salsa type, total sales,

// and the names of the highest selling and lowest selling products.

#include <iostream>

#include <string>

using namespace std;

int main()

{

string mild;

string medium;

string sweet;

string hot;

string zesty;

string salsatypes[] = { "mild", "medium", "sweet", "hot", "zesty" };

int numjars[5];

for (int x = 0; x < 5; x++)

{

cout << "How many jars were sold for " << salsatypes[x] << "?" << endl;

cin >> numjars[x];

if (numjars[x] < 0)

{

cout << "No negative numbers allowed!" << endl;

x--;

}

}

for (int j = 0; j < 5; j++)

{

cout << "Total Amount of Salsa Types Sold are: " << salsatypes[j] << " " << numjars[j] << endl;

}

// Total number of sales

int totalnum;

double sum = 0;

for (totalnum = 0; totalnum < 5; totalnum++)

sum += numjars[totalnum];

cout << "Total jars sold: " << sum << endl;

// Name of the highest selling salsa

int count;

int highest;

highest = numjars[0];

string high = salsatypes[0];

for (count = 1; count <= 5; count++)

{

if (numjars[count] > highest)

{

highest = numjars[count];

high = salsatypes[count];

}

}

cout << "Highest salsa type sold: " << high << " at " << highest << endl;

// Name of the lowest selling salsa

int count1;

int lowest;

lowest = numjars[0];

string low = salsatypes[0];

for (count1 = 1; count1 < 4; count1++)

{

if (numjars[count1] < lowest)

{

lowest = numjars[count1];

low = salsatypes[count1];

}

}

cout << "Lowest salsa type sold: " << low << " at " << lowest << endl;

return 0;

}