2021 01 28

CISP 1010, Lab Handouts

// Chapter 1 - Programming Challenge 1, Candy Bar Sales

// This program calculates earnings from candy bar sales.

// Note: Because students are creating this program by modifying Program 1-1

// and have not yet learned about different data types, all variables are

// declared as doubles, as in Program 1-1.

#include <iostream>

using namespace std;

int main()

{

double numSold, earningsPerBar, totalEarnings;

// Get the number of candy bars sold.

cout << "How many candy bars were sold? ";

cin >> numSold;

// Get the amount earned per bar sold.

cout << "How much is earned for each bar sold? ";

cin >> earningsPerBar;

// Calculate the total earnings.

totalEarnings = numSold \* earningsPerBar;

// Display the total earnings.

cout << "You have earned $" << totalEarnings << endl;

return 0;

}

/\* SAMPLE RUN RESULTS

How many candy bars were sold? 210

How much is earned for each bar sold? .15

You have earned $31.5

\*/

// Chapter 1 - Programming Challenge 2, Baseball Costs

// This program calculates the amount a baseball team spent on baseball purchases.

// Note: Because students are creating this program by modifying Program 1-1

// and have not yet learned about different data types, all variables are

// declared as doubles, as in Program 1-1.

#include <iostream>

using namespace std;

int main()

{

double ballsPurchased, unitCost, totalCost;

// Get the number of baseballs purchased.

cout << "How many baseballs were purchased? ";

cin >> ballsPurchased;

// Get the cost of each ball.

cout << "How much did each ball cost? ";

cin >> unitCost;

// Calculate the total amount spent.

totalCost = ballsPurchased \* unitCost;

// Display the total amount spent.

cout << "The total amount spent on baseballs was $" << totalCost << endl;

return 0;

}

/\* SAMPLE RUN RESULTS

How many baseballs were purchased? 12

How much did each ball cost? 8.95

The total amount spent on baseballs was $107.4

\*/

// Chapter 1 - Programming Challenge 3, Flower Garden

// This program calculates the total amount spent to

// to make a flower garden.

#include <iostream>

using namespace std;

int main()

{

// how many variables?

// what this program does

// q&a for soil

// q&a for seeds

// q&a for fence

// calc area, sum

// display results

}

/\* SAMPLE RUN RESULTS

This program computes the total amount spent to create a flower garden.

How much was spent for soil? $25

How much was spent for seeds? $10.50

How much was spent for the fence? $21

The total amount spent to make the flower garden was $56.5

\*/