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// Answer on Question#38298 - Programming - C++

#include <conio.h>
#include <iostream>
#include <math.h>
#include <stdlib.h>

using namespace std;

// The amount of ounces in 1 pound
const int OUNCES_IN_POUND = 16;

// The amount of pounds in 1 kilogram
const double POUNDS_IN_KG = 2.2046;

// The amount of grams in kilogram
const int GR_IN_KG = 1000;

// Typing the input data in pounds and ounces
double input_data_in_pounds();

// Conversion pounds to kilograms
double calculate_kilograms(double);

// Displaying the converted weight
void output_data_in_kg(double);

// Asking user some question and get the answer 'y' or 'n'
char get_answer(const char *);

// The main function of the program - the entry point of the program
int main()
{
        system("cls");
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	do
	{
		double pounds = input_data_in_pounds();
		output_data_in_kg(calculate_kilograms(pounds));
	}
	while (get_answer("Do you want to input one more for calculation? (y/n)") != 'n');

	return 0;
}

// Typing the input data in pounds and ounces
double input_data_in_pounds()
{
	cout << "Enter pounds: ";
	int pounds;
	cin >> pounds;
	cout << "Enter ounces: ";
	int ounces;
	cin >> ounces;
	return pounds + ounces / OUNCES_IN_POUND;
}

// Conversion pounds to kilograms
double calculate_kilograms(double pounds)
{
	return pounds / POUNDS_IN_KG;
}

// Displaying the converted weight
void output_data_in_kg(double kg)
{
	cout << "The converted weight is " << (int)kg << " kilograms " <<
		(int)(kg * GR_IN_KG) % GR_IN_KG << " grams" << endl << endl;
}
```

```
// Asking user some question (given in parameter 'question') and get the answer 'y' or 'n'
char get_answer(const char * question)
{
	cout << question << endl;
	char answer;
	do
		answer = getch();
	while (!(answer == 'y' || answer == 'n'));		// Wait for the answer until answer is 'y' - yes or 'n' - no
	return answer;
}
```