#include <iostream>

#include <string>

#include <iomanip>

using namespace std;

int main()

{

const int

TEMPERATURE\_CONVERTER = 1,

DISTANCE\_CONVERTER = 2,

WEIGHT\_CONVERTER = 3,

QUIT = 4,

ASSIGNMENT\_NUMBER = 2;

const string

PROGRAMMER\_NAME = "Odalis Flores",

DUE\_DATE = "10/14/2019";

int number;

double

fahrenheit,

celsius,

kilometer,

miles,

kilograms,

pounds;

string countryName;

cout << "Enter a country name: ";

getline(cin, countryName);

cout << "\n\nConverter Toolkit\n --------------------\n";

cout << "1. Temperature Converter\n2. Distance Converter\n3. Weight Converter\n4. Quit\n";

cout << "\nEnter your choice (1-4) ";

cin >> number;

switch (number)

{

case TEMPERATURE\_CONVERTER:

cout << "\nPlease enter temperature in Celsius (such as 24): " << endl;

cin >> celsius;

cout << fixed << setprecision(0);

fahrenheit = (9.0 / 5.0) \* celsius + 32;

cout << "\nIt is " << fahrenheit << " in Fahrenheit." << endl;

break;

case DISTANCE\_CONVERTER:

cout << "\nPlease enter distance in Kilometer (such as 18.54): " << endl;

cin >> kilometer;

if (kilometer >= 0)

{

miles = kilometer \* 0.6;

cout << fixed << showpoint << setprecision(2);

cout << "\nIt is " << miles << " in miles.\n";

}

else

cout << " !!! Program does not convert negative distance !!!" << endl;

break;

case WEIGHT\_CONVERTER:

cout << "\nPlease enter weight in Kilograms (such as 16.365): " << endl;

cin >> kilograms;

if (kilograms >= 0)

{

pounds = kilograms \* 2.2;

cout << fixed << showpoint << setprecision(1);

cout << "\nIt is " << pounds << " in pounds.\n";

}

else

cout << " !!! Program does not convert negative distance !!!" << endl;

break;

case QUIT:

exit;

break;

default: cout << "invalid input";

}

// This section displays thank you message with programmer name, due date, and assignment

cout << "\nThank you for testing my program!! " << endl;

cout << "\nPROGRAMMER: " << PROGRAMMER\_NAME << endl;

cout << "CMSC140 Common Project " << ASSIGNMENT\_NUMBER << endl;

cout << "Due Date : " << DUE\_DATE << endl;

return 0;

}