#include <iostream>

using namespace std;

int main()

{

int choice;

cout << "Select your input type:\n(1)Feet and inches\n(2)Inches\nSelection #: ";

cin >> choice;

switch (choice)

{

case 1 :

{

int feet\_dad, inch\_dad, feet\_mom, inch\_mom, height\_dad, height\_mom;

cout << "Enter fathers height in feet, seperate by a space: ";

cin >> feet\_dad >> inch\_dad;

height\_dad = inch\_dad + (feet\_dad \* 12);

cout << "Enter mothers height in feet, seperate by a space: ";

cin >> feet\_mom >> inch\_mom;

height\_mom = inch\_mom + (feet\_mom \* 12);

double Hmale, Hfemale;

Hmale = ((height\_mom \* 13 / 12.0) + height\_dad) / 2;

Hfemale = ((height\_dad \* 12 / 13.0) + height\_mom) / 2;

char gender;

cout << "\nIs your child male(m) or female(f)\nSelection: " ;

cin >> gender;

switch (gender)

{

case 'm':

{

int choice;

cout << "\nSelect your output type:\n(1)Feet and inches\n(2)Inches\nSelection #: " ;

cin >> choice;

switch (choice)

{

case 1:

{

int mfeet, minches;

mfeet = Hmale / 12;

minches = static\_cast<int>(Hmale) % 12;

cout << "\nThe male child's height is : " << mfeet << " feet " << minches << " inches" << endl;

break;

}

case 2:

cout << "\nThe male child's hieght is: " << Hmale << " inches" << endl;

break;

}

break;

}

case 'f':

{

int choice;

cout << "\nSelect your output type:\n(1)Feet and inches\n(2)Inches\nSelection #: " ;

cin >> choice;

switch (choice)

{

case 1:

{

int ffeet, finches;

ffeet = Hfemale / 12;

finches = static\_cast<int>(Hfemale) % 12;

cout << "\nThe female child's height is : " << ffeet << " feet " << finches << " inches" << endl;

break;

}

case 2:

cout << "\nThe female child's hieght is: " << Hfemale << " inches" << endl;

break;

}

}

}break;

}

case 2 :

{

int inch\_dad, inch\_mom, height\_dad, height\_mom;

cout << "Enter fathers height in inches: ";

cin >> inch\_dad;

height\_dad = inch\_dad;

cout << "Enter mothers height in inches: ";

cin >> inch\_mom;

height\_mom = inch\_mom;

double Hmale, Hfemale;

Hmale = ((height\_mom \* 13 / 12.0) + height\_dad) / 2;

Hfemale = ((height\_dad \* 12 / 13.0) + height\_mom) / 2;

char gender;

cout << "\nIs your child male(m) or female(f)\nSelection : ";

cin >> gender;

switch (gender)

{

case 'm':

{

int choice;

cout << "\nSelect your output type:\n(1)Feet and inches\n(2)Inches\nSelection #: " ;

cin >> choice;

switch (choice)

{

case 1:

{

int mfeet, minches;

mfeet = Hmale / 12;

minches = static\_cast<int>(Hmale) % 12;

cout << "\nThe male child's height is : " << mfeet << " feet " << minches << " inches" << endl;

break;

}

case 2:

cout << "\nThe male child's hieght is: " << Hmale << " inches" << endl;

break;

}

}break;

case 'f':

{

int choice;

cout << "\nSelect your output type:\n(1)Feet and inches\n(2)Inches\nSelection #: " ;

cin >> choice;

switch (choice)

{

case 1:

{

int ffeet, finches;

ffeet = Hfemale / 12;

finches = static\_cast<int>(Hfemale) % 12;

cout << "\nThe female child's height is : " << ffeet << " feet " << finches << " inches" << endl;

break;

}

case 2:

cout << "\nThe female child's hieght is: " << Hfemale << " inches" << endl;

break;

}

}break;

}

}

}

return 0;

}