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//Answer on Question #38335, Programming, C++

#include <cstdlib>
#include <iostream>

using namespace std;
//main function
int main(int argc, char *argv[])
{
    char chagain=' ';
    do{
        //A typical chocolate bar contains 230 calories.
        const double chocolatecalories=230;
        //variables for BMR,weight,height,age,gender
        double BMR;
        double weight;
        double height;
        int age;
        char gender;
        //prompt user to enter data
        //input his/her weight in kilograms, height in centimeters, age in years, and
the character M for male and F for female
        cout<<"Enter weight in kilograms: ";
        cin>>weight;//read weight
        cout<<"Height in centimeters: ";
        cin>>height;//read height
        cout<<"Age in years: ";
        cin>>age;//read age
        cout<<"Character M for male and F for female: ";
        cin>>gender;//read gender
        if(gender=='M' || gender=='m'){
            //For Men:
            BMR = 66 +(13.7 * weight) + ( 5 * height) - ( 6.8 * age );
        }
        else if(gender=='F' || gender=='f'){
            // for women:
            BMR = 655 + ( 9.6 * weight ) + ( 1.8 * height ) - ( 4.7 * age );
        }else{
            cout<<"No such gender\n";
        }

        // calculate the number of chocolate bars that should be consumed to maintain
the weight for the user of a specified weight, height and age
        int numberofchocolatebar;
        //calculate the number of chocolate
        numberofchocolatebar= BMR/chocolatecalories;
        cout<<"The number of chocolate bars are: "<<numberofchocolatebar<<"\n\n";
        cout<<"Would like to run program again(y/n):";
        cin>>chagain;//read run program again
    }while(chagain=='y');

    system("PAUSE");//delay
    return 0;//
}

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