import java.util.\*;

import java.text.\*;

class Quesion4{

private static final DecimalFormat df = new DecimalFormat("0.00");

public static void main(String[] args){

Scanner put = new Scanner(System.in);

//Qn1

/\*System.out.println("Please enter number of Year:");

int year = put.nextInt();

int totalRainfall = 0;

for(int i=1;i<=year;i++) {

System.out.println("Year: "+(i));

for(int m=1;m<=12;m++) {

System.out.println("Enter inches of rainfall for month: "+(m));

int inche = put.nextInt();

totalRainfall += inche;

}

}

int totalMount = year\*12;

double average = totalRainfall/totalMount;

System.out.println("Number of months is "+totalMount);

System.out.println("Total inches of rainfall is "+totalRainfall);

System.out.println("The average rainfall is "+average);

\*/

//Qn2

/\*int sum = 0;

System.out.println("Please enter Positive Integer & Negative integer to Terminate:");

while(true){

int num = put.nextInt();

if(num < 0){

System.out.println("You enter negative integer: "+num);

break;

}

sum += num;

}

System.out.println("The sum of your number is "+sum);

\*/

//Qn3

/\*System.out.println("Please enter 10 series of number:");

int[] number = new int[10];

for(int i=0;i<number.length;i++) {

System.out.println("Enter value: "+(i+1));

number[i] = put.nextInt();

}

int largest = number[0];

for(int i=0;i<number.length;i++) {

if(number[i] > largest) largest = number[i];

}

System.out.println("Largest number is "+largest);

\*/

//Qn4

/\*System.out.println("Please enter number of student:");

int StuNum = put.nextInt();

int[] score = new int[StuNum];

for(int i=0;i<StuNum;i++) {

System.out.println("Student: "+(i+1));

System.out.println("Enter Score: between 0 - 100");

score[i] = put.nextInt();

}

int sum = 0;

for(int i :score ){

sum += i;

}

Arrays.sort(score);

double average = sum/StuNum;

System.out.println("Average is "+df.format(average));

System.out.println("Maxmum is "+score[score.length-1]);

System.out.println("Minimum is "+score[0]);

\*/

//Qn5

System.out.println("Please enter your Budget for month:");

int budget = put.nextInt();

System.out.println("Please enter each expense for month, if you finish enter \"00\"");

int sum = 0;

while(true){

int exps = put.nextInt();

if(exps == 00){

System.out.println("You finish your expenses ");

break;

}

sum += exps;

}

System.out.println("Total Budget is "+budget);

if(sum < budget) System.out.println("Total expenses is "+sum+" \"Under Budget\"");

else if(sum > budget) System.out.println("Total expenses is "+sum+" \"Over Budget\"");

else System.out.println("Total expenses is "+sum+" \"Equal Budget\"");

}

}