import java.util.Scanner;

public class Rainfall {

public static void main(String[] args) {

//create Scanner object to take input

Scanner k = new Scanner(System.in);

//declare array to hold rainfall amounts for each month

double[] rain = new double[12];

//declare String array to hold each month’s name

String[] months = {"January", "February", "March", "April", "May", "June", "July", "August", "September", "October", "November", "December"};

//loop through each month and have the user enter the rainfall amount

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

System.out.print("Enter rainfall for " + months[i] + ": ");

rain[i] = k.nextDouble();

}

//call getAverage(), passing it a reference to the rainfall array

//declares and sets a variable to what getAverage() returns

double average = getAverage(rain);

//outputs the final average

System.out.print("Year Average: " + average);

}

public static double getAverage(double[] r){

//sets to initial total to 0

double total = 0.0;

//loops through the array and adds up all of the values

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

total += r[i];

}

//divides by the number of elements to calculate the average

return total / r.length;

}

}