import java.util.*;

/**
 * Intended to computes the total cost including tax for a given sales price.
 * This version has a bug: the increased price is never returned to main.
 *
 * @author Nicholas R. Howe
 * @version September 9, 2015
 */

public class AddTaxErr {
/** Used to compute the total tax. */
    public static final float TAXRATE = (float)0.05;

/** Use this to read from system keyboard */
    public static Scanner input = new Scanner(System.in);

/**
 *  Returns the new price with tax added
 *
 *  @param price  Price without tax
 */
    private static void addtax(float price) {
        price = price + TAXRATE*price;
    }

/**
 *  Gets the price from the user, computes cost, and prints result.
 *
 *  @throws NumberFormatException
 */
    public static void main(String[] args) {
        System.out.print("Please enter the price:  ");
        float price = input.nextFloat();
        addtax(price);
        System.out.println("With tax, that comes to $"+price+. ");
    }
}

import java.util.*;

/**
 * Computes the total cost including tax for a given sales price. 
 * This serves as a simple example of a Java console application.
 *
 * @author Nicholas R. Howe
 * @version January 9, 2006
 */

public class AddTaxArr {
/**
 *  Returns the new cost with tax added
 *
 *  @param cost  Cost without tax
 *  @return      Cost with tax
 */
    private static float[] addtax(float[] cost) {
        for (int i = 0; i < cost.length; i++) {
            cost[i] = cost[i] + TAXRATE*cost[i];
        }
        return cost;
    }

/**
 *  Gets the price from the user, computes cost, and prints result.
 *
 *  @throws NumberFormatException
 */
    public static void main(String[] args) {
        // input:
        System.out.print("How many prices do you have?  ");
        int nprice = input.nextInt();
        float[] price = new float[nprice];
        for (int i = 0; i < nprice; i++) {
            System.out.print("Please enter a price:  ");
            price[i] = input.nextFloat();
        }
        // computation:
        addtax(price);
        // output:
        System.out.println("With tax, your prices come to: ");
        for (int i = 0; i < nprice; i++) {
            System.out.print("  "+price[i]);
        }
    }
}