

Problem 1 - Computer Store

Problem for exam preparation for the [Programming Fundamentals Course @SoftUni](#).

Submit your solutions in the SoftUni judge system at <https://judge.softuni.org/Contests/Practice/Index/2517#0>.

Write a program that **prints you a receipt** for your new computer. You will receive the **parts' prices (without tax)** until you receive what type of customer this is - **special** or **regular**. Once you receive the type of customer you should print the receipt.

The **taxes are 20%** of each part's price you receive.

If the customer is **special**, he has a 10% discount on the total price with taxes.

If a given price is not a positive number, you should print **"Invalid price!"** on the console and continue with the next price.

If the total price is equal to zero, you should print **"Invalid order!"** on the console.

Input

- You will receive numbers representing **prices (without tax)** until command **"special"** or **"regular"**:

Output

- The receipt should be in the following format:

"Congratulations you've just bought a new computer!"

Price without taxes: {total price without taxes}\$

Taxes: {total amount of taxes}\$

Total price: {total price with taxes}\$"

Note: All prices should be displayed to the second digit after the decimal point! The discount is applied only on the total price. Discount is only applicable to the final price!

Examples

Input	Output
1050 200 450 2 18.50 16.86 special	Congratulations you've just bought a new computer! Price without taxes: 1737.36\$ Taxes: 347.47\$ ----- Total price: 1876.35\$
Comment	
1050 – valid price, total 1050 200 – valid price, total 1250 ... 16.86 – valid price, total 1737.36 We receive special	

Price is positive number, so it is valid order Price without taxes is 1737.36 Taxes: 20% from 1737.36 = 347.47 Final price = 1737.36 + 347.47 = 2084.83 Additional 10% discount for special customers 2084.83 – 10% = 1876.35	
Input	Output
1023	Invalid price!
15	Invalid price!
-20	Congratulations you've just bought a new computer!
-5.50	Price without taxes: 1544.96\$
450	Taxes: 308.99\$
20	-----
17.66	Total price: 1853.95\$
19.30	
regular	
regular	Invalid order!

JS Examples

Input	Output
(['1050', '200', '450', '2', '18.50', '16.86', 'special')	Congratulations you've just bought a new computer! Price without taxes: 1737.36\$ Taxes: 347.47\$ ----- Total price: 1876.35\$
Comment	
1050 – valid price, total 1050 200 – valid price, total 1250 ... 16.86 – valid price, total 1737.36 We receive special Price is positive number, so it is valid order Price without taxes is 1737.36 Taxes: 20% from 1737.36 = 347.47 Final price = 1737.36 + 347.47 = 2084.83 Additional 10% discount for special customers 2084.83 – 10% = 1876.35	
Input	Output
(['1023', '15', '-20', '-5.50', '450', '20',	Invalid price! Invalid price! Congratulations you've just bought a new computer! Price without taxes: 1544.96\$ Taxes: 308.99\$ ----- Total price: 1853.95\$

'17.66', '19.30', 'regular')	
('regular')	Invalid order!