## **Problem 2. Bread Factory**

As a young baker, you are baking the bread out of the bakery.

You have initial energy 100 and initial coins 100. You will be given a string, representing the working day events.

Each event is separated with '|' (vertical bar): "event1|event2|event3..."

Each event contains event name or item and a number, separated by dash("{event/ingredient}-{number}")

- If the event is "rest": you gain energy, the number in the second part. But your energy cannot exceed your initial energy (100). Print: "You gained {0} energy.".
  - After that, print your current energy: "Current energy: {0}.".
- If the event is "order": You've earned some coins, the number in the second part. Each time you get an order, your energy decreases with 30 points.
  - o If you have energy to complete the order, print: "You earned {0} coins.".
  - If your energy drops below 0, you skip the order and gain 50 energy points. Print: "You had to rest!".
- In any other case you are having an ingredient, you have to buy. The second part of the event, contains the coins you have to spent and remove from your coins.
  - If you are not bankrupt (coins <= 0) you've bought the ingredient successfully, and you should print</li>
     ("You bought {ingredient}.")
  - If you went bankrupt, print "Closed! Cannot afford {ingredient}." and your bakery rush is over.

If you managed to handle all events through the day, print on the next three lines:

"Day completed!", "Coins: {coins}", "Energy: {energy}".

## **Input / Constraints**

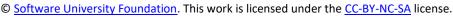
You receive a string, representing the working day events, separated with '|' (vertical bar): "event1|event2|event3...".

Each event contains event name or ingredient and a number, separated by dash("{event/ingredient}{number}")

## **Output**

Print the corresponding messages, described above.



















## **Examples**

Input	Output
rest-2 order-10 eggs-100 rest-10	You gained 0 energy.
	Current energy: 100.
	You earned 10 coins.
	You bought eggs.
	You gained 10 energy.
	Current energy: 80.
	Day completed!
	Coins: 10
	Energy: 80
Input	Output
order-10 order-10 flour-	You earned 10 coins.
100 order-100 oven-100 order-1000	You earned 10 coins.
	You earned 10 coins.
	You bought flour.
	You had to rest!
	Closed! Cannot afford oven.

... 1 package (1/4 ounce) active dry yeast

2-1/4 cups warm water (110° to 115°)

3 tablespoons sugar

1 tablespoon salt

2 tablespoons canola oil

6-1/4 to 6-3/4 cups all-purpose flour ...



