Exercises: Syntax, Functions and Statements

1. Fruit

Write a function that calculates how much money you need to buy fruit. You will receive a **string** for the type of fruit you want to buy, **a number** for weight in grams and another **number** for the price per kilogram.

Print the following text on the console:

`'I need ${money} to buy {weight} kilograms {fruit}.'`

Print the weight and the money **rounded** to two decimal places.

The **input** comes as **three arguments** passed to your function.

The **output** should be printed on the console.

Example

Input	Output
`'orange', 2500, 1.80`	`I need $4.50 to buy 2.50 kilograms orange.`

Input	Output
`'apple', 1563, 2.35`	`I need $3.67 to buy 1.56 kilograms apple.`

What to submit?

Function Signature: function main(fruit, weight, price)

2. Greatest Common Divisor - GCD

Write a function that takes **two positive numbers** as input and compute the greatest common divisor.

The **input** comes **as two positive integer numbers**.

The **output** should be printed on the console.

Example

Input	Output
15, 5	5

Input	Output
2154, 458	2

What to submit?

Function Signature: function main(input1, input2)

3. Same Numbers

Write a function that takes **an integer number** as an input and check if all the digits in a given number are the same or not.

Print on the console **true** if all numbers are same and **false** if not. On the next line print the **sum of all the digits.**

The **input** comes as an integer number.

The **output** should be printed on the console.

Examples

Input	Output
2222222	true 14

Input	Output
1234	false 10

What to submit?

Function Signature: function main(input)

4. Time to Walk

Write a function that **calculates** how long it takes a student to get to university.
The function takes **three numbers**:

- The **first** is the number of **steps** the student takes from their home to the university
- The **second** number is the length of the student's footprint in **meters**
- The **third** number is the student speed in **km/h**

Every 500 meters the student rests and takes a **1 minute break**.

Calculate how long the student walks from home to university and print on the console the result in the following format: **'hours:minutes:seconds'**.

The **input** comes as **three numbers**.

The **output** should be printed on the console.

Example

Input	Output
4000, 0.60, 5	00:32:48

Input	Output
2564, 0.70, 5.5	00:22:35

What to submit?

Function Signature: function main(steps, meters, speed)

5. Calorie Object

Write a function that composes an object by given properties. The input comes as an **array of strings**. Every **even index** of the array represents the **name of the food**. Every **odd index** is a **number** that is equal to the **calories in 100 grams of the given product**. Assign each value to its corresponding property and print it on the console.

The **input** comes as an **array of string elements**.

The **output** should be printed on the console.

Examples

Input	Output
`['Yoghurt', 48, 'Rice', 138, 'Apple', 52]`	`{ Yoghurt: 48, Rice: 138, Apple: 52 }`
`['Potato', 93, 'Skyr', 63, 'Cucumber', 18, 'Milk', 42]`	`{ Potato: 93, Skyr: 63, Cucumber: 18, Milk: 42 }`

What to submit?

Function Signature: function main(foods)