Challenge 2: Calculate Hours, Minutes, and Seconds

Let's solve a slightly tricky challenge in this lesson.

Problem statement

In this challenge, you are given the total number of seconds. Your task is to display the number of hours, minutes, and seconds in it.

$$1 \; minute = 60 \; seconds$$

$$1 \; hour = 60 \; minutes$$

Input

We have already initialized the variable `total_seconds` at the backend.

```
int total_seconds = 3870;
```

Output

Your code should have the following output.

```
hours = 1
minutes = 4
seconds = 30
```

> 📝 Please use the variables `total_seconds` for the input and `hours`, `minutes`, and `seconds` for the output; otherwise, your code will not execute.

Coding exercise

Before diving directly into the solution, first, try to solve it yourself, and then check if your code passes all the test cases. If you get stuck, you can always see the given solution.

Good Luck! 👍

```
/* We have already declared the input variable total_seconds
at the backend.
int total_seconds;
Display the total number of hours, minutes, and seconds in it.
Store your output in hours, minutes, and seconds variables.
*/
int hours, minutes, seconds;
// Write your code here
```

Hint 1 of 1

1 hour = 36000 seconds

1 minute = 60 seconds

Use remainder and division operator

🎉 Congratulations! If you have solved the problem, give yourself a treat.

In case you are stuck, let's go over the solution review in the next lesson.