# Challenge 4: Find out if the Given Number is a Palindrome

Let's test our understanding by solving a difficult challenge in this lesson.



### Problem statement #

In this challenge, you are given a number. Your task is to find whether the given number is a palindrome or not.

A number is a palindrome if it reads the same backward as forward, e.g., 1221.

#### Input #

We have already initialized the variable number at the backend.

# Output #

- If the given number is a palindrome, then you should print is palindrome to the console.
- If the given number is not a palindrome, then you should print not palindrome to the console.

## Sample input #

```
int number = 212
```

#### Sample output #

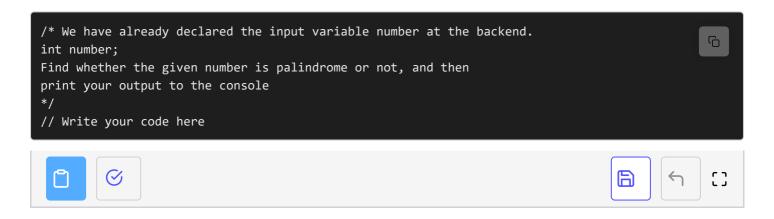
is palindrome

# 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.

Please use the variable number for the input and print your output to the console; otherwise, your code will not execute.

#### Good Luck! ∱



> Well done! If you have solved the problem, you are a pro in loops!

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