

## Homework Week 4 – Problem 2

Develop a program to find if the integer number  $n$  is palindrome (its reverse is the same as the number). Example 123 is not palindrome but 121 is a palindrome number.

Hint: Find the reverse number.

- Inputs:  $n$  - long.
- Output: the answer “is palindrome?”.
- How to do it:
  - Input  $n$ .
  - Initialise  $\text{mirror\_n} = 0$ .
  - Repeat:
    - Find the last digit of  $n$ .
    - Include the last digit on  $n$  in  $\text{mirror\_n}$ .
    - Remove the last digit of  $n$ .
  - Test if  $n$  is equal to  $\text{mirror\_n}$