

# ARMSTRONG NUMBER

## PSEUDOCODE: -

- Start
- Declare **number, sum, a, count, x, y**
- Read number
  - Int  $x = \text{number}$ ,  $y = \text{number}$ ,  $\text{sum} = 0$ ,  $a = 0$ ,  $\text{count} = 0$
  - Repeat until  $\text{number} \neq 0$ 
    - $\text{count} = \text{count} + 1$
    - $\text{number} = \text{number} / 10$
  - Repeat until  $y \neq 0$ 
    - $a = y \% 10$
    - $\text{sum} = \text{sum} + a^{\text{count}}$
    - $y = y / 10$
  - If  $a = \text{sum}$ 
    - Print "is an **Armstrong** number"
    - Else
    - Print "is not an **Armstrong** number"
- **Stop.**

# FLOWCHART: -



