

❖ Armstrong Number:

Explanation: -

An Armstrong number (or narcissistic number) for a given number of digits is a number that is equal to the sum of its digits raised to the power of the number of digits. For example, 153 is an Armstrong number because $1^3 + 5^3 + 3^3 = 153$.

Time Complexity: - $O(n)$

Space Complexity: - $O(n)$

```
[Start]
|
[Input num]
|
[Calculate digit]
|
[Is isArmstrong(num, digit)?]
|           |
[Yes]       [No]
|           |
[Output "
is Armstrong"]
|           |
[End]       [Output "is not Armstrong"]
|           |
           [End]
```