

## **AIM:**

Finding Armstrong number by using Python.

## **DESCRIPTION:**

An Armstrong number in python is a positive integer of base n, and the sum of each digit of the Armstrong number of order n is equal to the number itself.

## **PROGRAM:**

```
n=int(input("enter a number:"))
sum=0
temp=n
a=len(str(n))
while n>0:
    r=n%10
    sum=r**a+sum
    n=n/10
if temp==sum:
    print("it is armstrong number")
else:
    print("it is not a armstrong number")
```

## **OUTPUT:**

- 1) enter a number:153  
it is armstrong number
- 2) enter a number:236  
it is not a armstrong number

