2. Write a program to check the given no is Armstrong or not using recursive function.

PROGRAM:

```python
def check_armstrong(Num):
    if Num==0:
        return Num
    else:
        return pow((num%10),order)+check_armstrong(num//10)
num=int(input("Enter a number:"))
order=len(str(num))
sum=check_armstrong(num)
if sum==int(num):
    print(Num," is an Armstrong number.")
else:
    print(Num," is not an Armstrong number.")
```

INPUT:

```
Enter a number:153
```

OUTPUT:

```
153  is an Armstrong number.
```

TIME COMPLEXITY:

Time complexity of the above code is

f(n)=O(n)