

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

**PROGRAM:**

```
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

$f(n)=O(n)$