**To find a given number is Armstrong number or not**

**An Armstrong number of three digits is an integer such that the sum of cube the digits is equal to number itself**

**Eg**:3^3+7^3+1^3=371

n=int(input(“enter the number**”**))**-gets the input of the number**

s=0

num=n **-store the the value of n in num**

while(n!=0)-**check if n is not equal to 0**

r=n%10- **gives the last digit**

s=s+(r\*r\*r\*)-**find the cube of the digit and sum it up**

n=int(n/10)-**gives the remaining digits**

**the loop continues till all digits are summed up in s**

if(s==num): -**check if the value sum of cube of digit is equal to number**

**print the output according to the condition**

print(“the number is amstrong”)

else:

print(“the number is not amstrong”)