Program to find whether the given number is Armstrong number or not

Sample Input: Enter number: 153

Sample Output: Given number is Armstrong number

CODE:

def is\_armstrong\_number(number):

num\_digits = len(str(number))

temp = number

sum\_of\_cubes = 0

while temp > 0:

digit = temp % 10

sum\_of\_cubes += digit \*\* num\_digits

temp //= 10

return sum\_of\_cubes == number

# Example usage:

given\_number = int(input("Enter number: "))

if is\_armstrong\_number(given\_number):

print("Given number is Armstrong number.")

else:

print("Given number is not Armstrong number.")

OUTPUT:

Enter number: 153

Given number is Armstrong number.

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