**Name- Mayur Subhash Tamanke**

**Div- 2**

**Sub- PPS**

**Experiment No -4**

#Check The Given Number is Armstrong or Not

number = int(input("Enter a three-digit number: "))

# Extracting the digits

digit1 = number // 100

digit2 = (number // 10) % 10

digit3 = number % 10

# Calculating the Armstrong sum

armstrong\_sum = (digit1 \*\* 3) + (digit2 \*\* 3) + (digit3 \*\* 3)

# Checking if it is an Armstrong number

if armstrong\_sum == number:

print(number, "is an Armstrong number.")

else:

print(number, "is not an Armstrong number.")



