

Day 19 coding Statement : Write a program to identify if the number is Armstrong number or not

Description

Get an input number from user and check whether the given number is an Armstrong number or not.

E.g. Let the number be 1634,

Here $1^4 + 6^4 + 3^4 + 4^4 = 1634$

Therefore, this is an Armstrong number

Input: 153

Output: Armstrong number

Input: 121

Output: Not an Armstrong number

CODE:

```
num = int(input("Enter Number: "))
temp = num
num1 = num
digit = 0
while num != 0:
    num = num // 10
    digit += 1
arm = 0
while temp != 0:
    rem = temp % 10
    remo = 1
    for i in range(digit):
        remo *= rem
    arm += remo
    temp = temp // 10
if num1 == arm:
    print(num1, "is an Armstrong number.")
else:
    print(num1, "is not an Armstrong number.")
```

OUTPUT:

```
Enter Number: 143  
143 is not a Armstrong number.  
  
Process finished with exit code 0
```

```
Enter Number: 1634  
1634 is an Armstrong number.  
  
Process finished with exit code 0
```