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Worksheet 1.2

Student Name: CUSZ	UID:
Branch: CSE	Section/Group :
Semester: 4rd	Date of Performance:
Subject Name : Python Lab	

Q1. Python Program to check whether a given number is a palindrome.

Code:

```
num=int(input("Enter a number:"))
temp=num
rev=0
while(num>0):
   dig=num%10
   rev=rev*10+dig
   num=num//10
if(temp==rev):
   print("The number is palindrome!")
else:
   print("Not a palindrome!")
"""Division"""

c = a/b
print("The quotient of the number is : ", c)
```

Output:=

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```
C:\Users\UDAY\AppData\Local\Programs\Python\Python37\python.exe

Enter a number:2656
Not a palindrome!

Process returned 0 (0x0)        execution time : 4.111 s
Press any key to continue . . .
```

```
C:\Users\UDAY\AppData\Local\Programs\Python\Python37\python.exe

Enter a number:65956
The number is palindrome!

Process returned 0 (0x0)        execution time : 9.597 s
Press any key to continue . . .
```
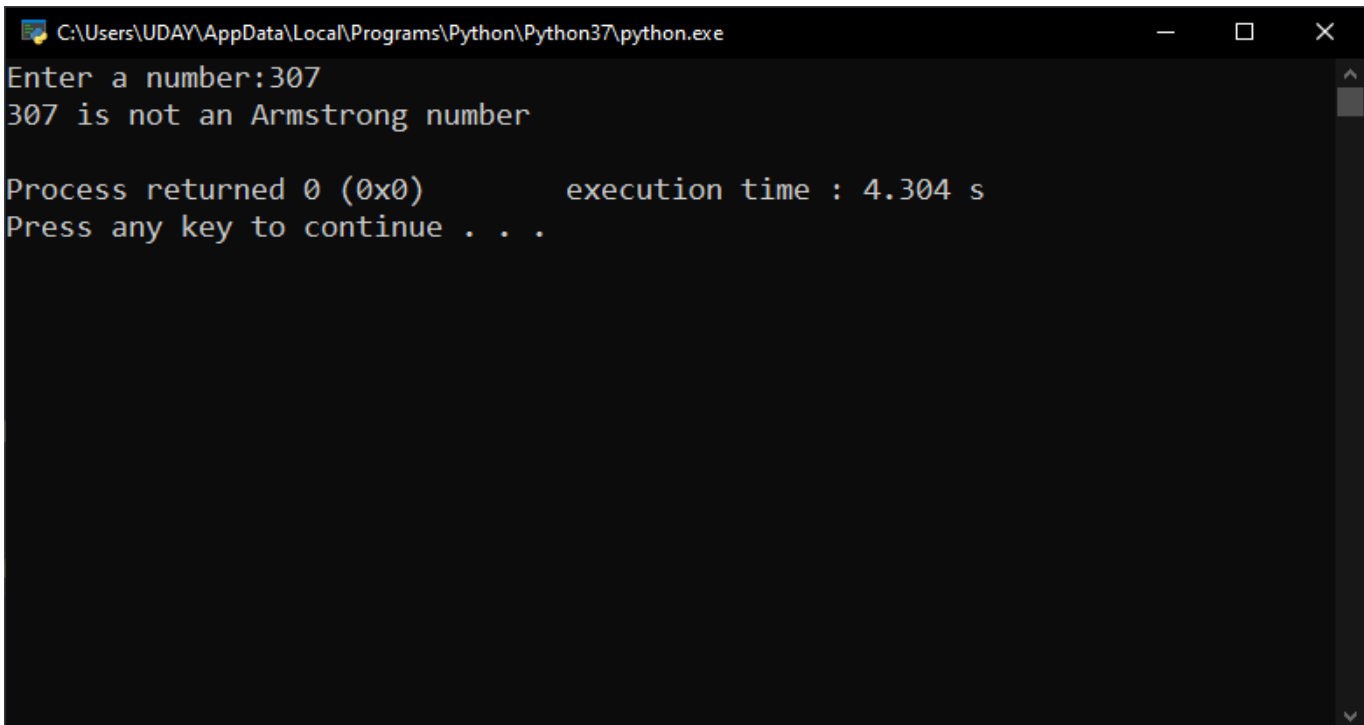
```python
num=int(input("Enter a number:"))
```

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```python
sum = 0
temp = num
while temp > 0:
    digit = temp % 10
    sum += digit ** 3
    temp //= 10

if num == sum:
    print(num,"is an Armstrong number")
else:
    print(num,"is not an Armstrong number")
```
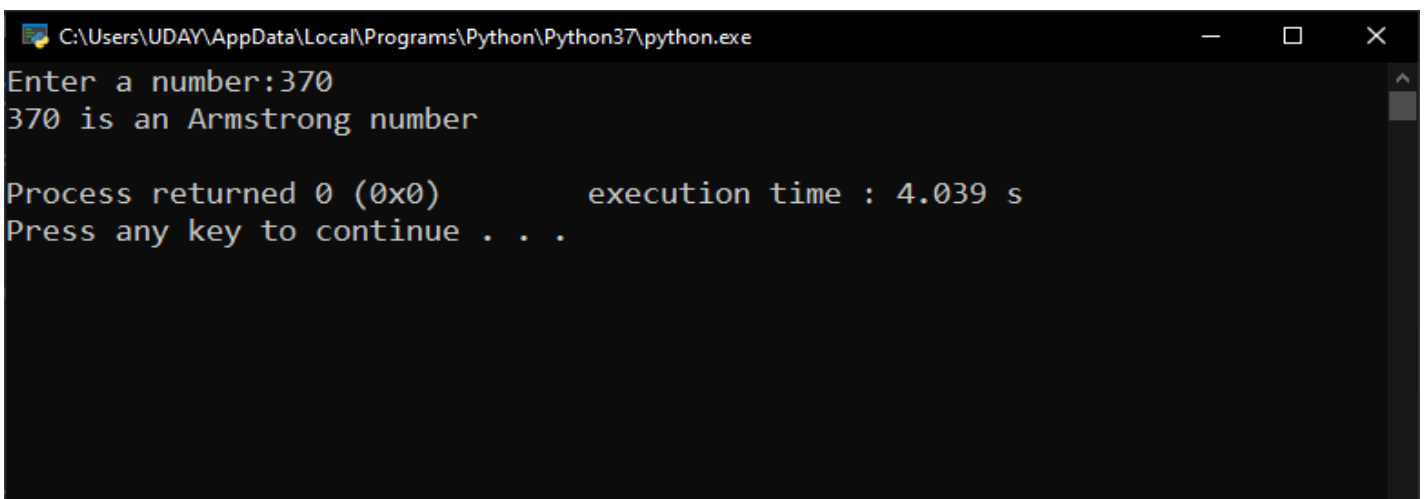
Output:-

```
C:\Users\UDAY\AppData\Local\Programs\Python\Python37\python.exe               —   □   ✕
Enter a number:307
307 is not an Armstrong number

Process returned 0 (0x0)        execution time : 4.304 s
Press any key to continue . . .
```

```
C:\Users\UDAY\AppData\Local\Programs\Python\Python37\python.exe               —   □   ✕
Enter a number:370
370 is an Armstrong number

Process returned 0 (0x0)        execution time : 4.039 s
Press any key to continue . . .
```

Q3. Write a program to enter the length in a centimeter and convert it into meter and kilometer, and also convert the same Equivalents.

Code:

```
a=int(input("Enter a 1st number:"))
b=int(input("Enter a 1st number:"))
c=int(input("Enter a 1st number:"))

if(a>b>c or a>c>b):
    print("The Greatest number of all three is : ",a)
elif(b>c>a or b>a>c):
    print("The Greatest number of all three is : ",b)
elif(c>a>b or c>b>a):
    print("The Greatest number of all three is : ",c)
```

Output:-

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```
C:\Users\UDAY\AppData\Local\Programs\Python\Python37\python.exe                    —    □    ×

Enter a 1st number:95
Enter a 1st number:015
Enter a 1st number:1165
The Greatest number of all three is :   1165

Process returned 0 (0x0)           execution time : 10.910 s
Press any key to continue . . .
```