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Subject- letsupgrade python batch 7 day 4 Assignment

## ▾ Question 1

Print the first ArmStrong number in the range of 1042000 to 702648265 and exit the loop as soon as you encounter the first armstrong number.

Use while loop Output-The first armstrong number is ----------

```python
a = int(input(" enter the loop starting no. :"))
b = int(input(" enter the loop ending no. :"))
for num in range(a,b):
  temp = num
  sum = 0
  while temp > 0:
    digit = temp % 10
    sum = sum + digit ** 7
    temp //= 10
  if num == sum:
    print ("the first armstrong number is :", num )
    break
```

```
    enter the loop starting no. : 1042000
    enter the loop ending no. : 702648265
   the first armstrong number is : 1741725
```